

Gene Protein	GO class (direct)	Contributor	Organism	Evidence	Evidence with
nampt1	cytokine activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt1	catalytic activity	ZFIN	Danio rerio	IEA	InterPro:IPR013785
nampt1	pyridine nucleotide biosynthetic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0662
nampt1	rhythmic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0090
nampt1	NAD biosynthetic process	UniProt	Danio rerio	IEA	UniPathway:UPA00253
nampt1	nicotinamide phosphoribosyltransferase activity	ZFIN	Danio rerio	IEA	EC:2.4.2.12
nampt1	circadian regulation of gene expression	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt1	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt1	nucleus	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0539
nampt1	nicotinate-nucleotide diphosphorylase (carboxylating) activity	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt1	cytokine activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt1	extracellular space	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt1	extracellular region	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0964
nampt1	cytoplasm	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0086
nampt1	nucleus	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0191
nampt1	hemopoiesis	ZFIN	Danio rerio	IMP	ZFIN:ZDB-MRPHLNO-200320-1
nampt1	NAD biosynthetic process	ZFIN	Danio rerio	IEA	InterPro:IPR036068

nampt1	transferase activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0808
nampt1	transferase activity, transferring glycosyl groups nicotinate-nucleotide diphosphorylase (carboxylating) activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0328
NAMPT	diphosphorylase (carboxylating) activity	InterPro	Homo sapiens	IEA	InterPro:IPR036068
NAMPT	cytokine activity	UniProt	Homo sapiens	IEA	UniProtKB-KW:KW-0202
NAMPT	protein binding	IntAct	Homo sapiens	IPI	UniProtKB:P02792
NAMPT	protein binding	IntAct	Homo sapiens	IPI	UniProtKB:P03886
NAMPT	protein binding	IntAct	Homo sapiens	IPI	UniProtKB:Q01628
NAMPT	protein binding	IntAct	Homo sapiens	IPI	UniProtKB:Q70CQ1-2
NAMPT	cytosol	Reactome	Homo sapiens	TAS	
NAMPT	cytosol	Reactome	Homo sapiens	TAS	
NAMPT	signal transduction	PINC	Homo sapiens	TAS	
NAMPT	cell-cell signaling	PINC	Homo sapiens	TAS	
NAMPT	circadian rhythm	Reactome	Homo sapiens	TAS	
NAMPT	positive regulation of cell population proliferation	PINC	Homo sapiens	TAS	
NAMPT	nuclear speck	HPA	Homo sapiens	IDA	
NAMPT	cell junction	HPA	Homo sapiens	IDA	
NAMPT	circadian regulation of gene expression	UniProt	Homo sapiens	ISS	UniProtKB:Q99KQ4
NAMPT	NAD biosynthesis via nicotinamide riboside salvage pathway	Reactome	Homo sapiens	TAS	
NAMPT	identical protein binding	IntAct	Homo sapiens	IPI	UniProtKB:P43490

NAMPT	identical protein binding	IntAct	Homo sapiens	IPI	UniProtKB:P43490
NAMPT	positive regulation of transcription by RNA polymerase II nicotinamide	BHF-UCL	Homo sapiens	IDA	
NAMPT	phosphoribosyltransferase activity	Reactome	Homo sapiens	TAS	
NAMPT	positive regulation of nitric-oxide synthase biosynthetic process	BHF-UCL	Homo sapiens	IDA	
NAMPT	extracellular exosome	UniProt	Homo sapiens	HDA	
NAMPT	extracellular exosome	UniProt	Homo sapiens	HDA	
NAMPT	insulin receptor signaling pathway	BHF-UCL	Homo sapiens	IDA	
NAMPT	adipose tissue development	BHF-UCL	Homo sapiens	IDA	
NAMPT	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Canis lupus familiaris	IEA	UniRule:UR000955753
NAMPT	cytokine activity	UniProt	Canis lupus familiaris	IEA	UniRule:UR000955753
NAMPT	extracellular space	UniProt	Canis lupus familiaris	IEA	UniProtKB-KW:KW-0202
NAMPT	cytoplasm	UniProt	Canis lupus familiaris	IEA	UniProtKB-SubCell:SL-0086
NAMPT	signal transduction	GOC	Canis lupus familiaris	IEA	GO:0005125
NAMPT	NAD biosynthetic process	UniProt	Canis lupus familiaris	IEA	UniPathway:UPA00253
NAMPT	nuclear speck	Ensembl	Canis lupus familiaris	IEA	UniProtKB:AOA024R718 ensembl:ENSP00000390591
NAMPT	cell junction	Ensembl	Canis lupus familiaris	IEA	UniProtKB:AOA024R718 ensembl:ENSP00000390591
NAMPT	circadian regulation of gene expression	UniProt	Canis lupus familiaris	IEA	UniRule:UR000955753

NAMPT	identical protein binding	Ensembl	Canis lupus familiaris	IEA	UniProtKB:Q99KQ4 ensembl:ENSMUSP00000020886
NAMPT	nicotinamide phosphoribosyltransferase activity	UniProt	Canis lupus familiaris	IEA	EC:2.4.2.12
NAMPT	nicotinate-nucleotide diphosphorylase (carboxylating) activity	InterPro	Sus scrofa	IEA	InterPro:IPR036068
NAMPT	cytokine activity	UniProt	Sus scrofa	IEA	UniProtKB-KW:KW-0202
NAMPT	extracellular space	UniProt	Sus scrofa	IEA	UniProtKB-KW:KW-0202
NAMPT	nucleus	UniProt	Sus scrofa	IEA	UniProtKB-SubCell:SL-0191
NAMPT	cytoplasm	UniProt	Sus scrofa	IEA	UniProtKB-SubCell:SL-0086
NAMPT	signal transduction	GOC	Sus scrofa	IEA	GO:0005125
NAMPT	NAD biosynthetic process	UniProt	Sus scrofa	IEA	UniPathway:UPA00253
NAMPT	circadian regulation of gene expression	UniProt	Sus scrofa	ISS	UniProtKB:Q99KQ4
NAMPT	nicotinamide phosphoribosyltransferase activity	UniProt	Sus scrofa	IEA	EC:2.4.2.12
Nampt	nucleotide binding	RGD	Rattus norvegicus	IDA	
Nampt	microglial cell activation	RGD	Rattus norvegicus	IMP	
Nampt	nicotinate-nucleotide diphosphorylase (carboxylating) activity	InterPro	Rattus norvegicus	IEA	InterPro:IPR036068
Nampt	nicotinate-nucleotide diphosphorylase	UniProt	Rattus	IEA	UniProtKB:U1R00095752

Namp1	diphosphorylase (carboxylating) activity	UniProt	norvegicus	IEA	UniRule:UR000955753
Namp1	cytokine activity	UniProt	Rattus norvegicus	IEA	UniRule:UR000955753
Namp1	cytokine activity	RGD	Rattus norvegicus	IDA	
Namp1	extracellular space	UniProt	Rattus norvegicus	IEA	UniProtKB-KW:KW-0202
Namp1	nucleus	UniProt	Rattus norvegicus	IEA	UniProtKB-SubCell:SL-0191
Namp1	nucleus	RGD	Rattus norvegicus	IDA	
Namp1	cytoplasm	UniProt	Rattus norvegicus	IEA	UniProtKB-SubCell:SL-0086
Namp1	cytoplasm	RGD	Rattus norvegicus	IDA	
Namp1	cytoplasm	RGD	Rattus norvegicus	ISO	RGD:1332214
Namp1	plasma membrane	RGD	Rattus norvegicus	IDA	
Namp1	signal transduction	RGD	Rattus	IEA	GO:0005125

Namp1	signal transduction	CC	norvegicus	IEA	CC:0005123
Namp1	female pregnancy	RGD	Rattus norvegicus	IEP	
Namp1	aging	RGD	Rattus norvegicus	IEP	
Namp1	circadian rhythm	RGD	Rattus norvegicus	IEP	
Namp1	circadian rhythm	RGD	Rattus norvegicus	ISO	RGD:1332214
Namp1	insulin receptor signaling pathway	RGD	Rattus norvegicus	ISO	RGD:1351636
Namp1	NAD biosynthetic process	UniProt	Rattus norvegicus	IEA	UniPathway:UPA00253
Namp1	NAD biosynthetic process	RGD	Rattus norvegicus	ISO	RGD:1332214
Namp1	negative regulation of autophagy	RGD	Rattus norvegicus	IMP	
Namp1	response to organic cyclic compound	RGD	Rattus norvegicus	IEP	
Namp1	regulation of lung blood pressure	RGD	Rattus norvegicus	IMP	
Namp1	nuclear senescence	RGD	Rattus	ISO	RGD:1351636

Namp1	nuclear speck	RGD	norvegicus	ISO	RGD:1351636
Namp1	nuclear speck	Ensembl	Rattus norvegicus	IEA	UniProtKB:A0A024R718 ensembl:ENSP00000390591
Namp1	cell junction	RGD	Rattus norvegicus	ISO	RGD:1351636
Namp1	cell junction	Ensembl	Rattus norvegicus	IEA	UniProtKB:A0A024R718 ensembl:ENSP00000390591
Namp1	circadian regulation of gene expression	UniProt	Rattus norvegicus	ISS	UniProtKB:Q99KQ4
Namp1	circadian regulation of gene expression	UniProt	Rattus norvegicus	IEA	UniRule:UR000955753
Namp1	circadian regulation of gene expression	RGD	Rattus norvegicus	ISO	RGD:1332214
Namp1	identical protein binding	RGD	Rattus norvegicus	IDA	
Namp1	identical protein binding	RGD	Rattus norvegicus	ISO	RGD:1332214
Namp1	identical protein binding	RGD	Rattus norvegicus	ISO	RGD:1351636
Namp1	positive regulation of transcription by RNA polymerase II	RGD	Rattus norvegicus	ISO	RGD:1351636
Namp1	nicotinamide phosphoribosyltransferase activity	UniProt	Rattus norvegicus	IEA	EC:2.4.2.12

Nampt	nicotinamide phosphoribosyltransferase activity	RGD	Rattus norvegicus	IDA	
Nampt	nicotinamide phosphoribosyltransferase activity	RGD	Rattus norvegicus	ISO	RGD:1332214
Nampt	positive regulation of smooth muscle cell proliferation	RGD	Rattus norvegicus	IMP	
Nampt	positive regulation of nitric-oxide synthase biosynthetic process	RGD	Rattus norvegicus	ISO	RGD:1351636
Nampt	adipose tissue development	RGD	Rattus norvegicus	ISO	RGD:1351636
Nampt	neuron death	RGD	Rattus norvegicus	IEP	
Nampt	cellular response to ionizing radiation	RGD	Rattus norvegicus	IEP	
Nampt	cellular response to oxygen-glucose deprivation	RGD	Rattus norvegicus	IEP	
Nampt	cellular response to amyloid-beta	RGD	Rattus norvegicus	IEP	
Nampt	response to D-galactose	RGD	Rattus norvegicus	IEP	
Nampt	negative regulation of cellular senescence	RGD	Rattus norvegicus	IDA	

nampt2	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt2	cytoplasm	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0086
nampt2	transferase activity, transferring glycosyl groups	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0328
nampt2	cytokine activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt2	rhythmic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0090
nampt2	circadian regulation of gene expression	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt2	extracellular region	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0964
nampt2	cytokine activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt2	nucleus	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0539
nampt2	nicotinate-nucleotide diphosphorylase (carboxylating) activity	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt2	nucleus	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0191
nampt2	NAD biosynthetic process	UniProt	Danio rerio	IEA	UniPathway:UPA00253
nampt2	catalytic activity	ZFIN	Danio rerio	IEA	InterPro:IPR013785
nampt2	NAD biosynthetic process	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt2	extracellular space	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt2	transferase activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0808
nampt2	pyridine nucleotide biosynthetic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0662
nampt2	nicotinamide phosphoribosyltransferase activity	ZFIN	Danio rerio	IEA	EC:2.4.2.12
nampt3.2	NAD biosynthetic process	UniProt	Danio rerio	IEA	UniPathway:UPA00253

nampt3.2	NAD biosynthetic process	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt3.2	extracellular region	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0964
nampt3.2	cytokine activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt3.2	catalytic activity	ZFIN	Danio rerio	IEA	InterPro:IPR013785
nampt3.2	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt3.2	nucleus	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0191
nampt3.2	nucleus	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0539
nampt3.2	cytokine activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt3.2	NAD biosynthetic process	UniProt	Danio rerio	IEA	UniPathway:UPA00253
nampt3.2	rhythmic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0090
nampt3.2	transferase activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0808
nampt3.2	nicotinamide phosphoribosyltransferase activity	ZFIN	Danio rerio	IEA	EC:2.4.2.12
nampt3.2	pyridine nucleotide biosynthetic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0662
nampt3.2	cytoplasm	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0086
nampt3.2	transferase activity, transferring glycosyl groups	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0328
nampt3.2	extracellular space	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt3.2	nicotinate-nucleotide diphosphorylase (carboxylating) activity	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt3.2	circadian regulation of gene expression	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt3.1	NAD biosynthetic process	UniProt	Danio rerio	IEA	UniPathway:UPA00253

nampt3.1	pyridine nucleotide biosynthetic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0662
nampt3.1	NAD biosynthetic process	UniProt	Danio rerio	IEA	UniPathway:UPA00253
nampt3.1	catalytic activity	ZFIN	Danio rerio	IEA	InterPro:IPR013785
nampt3.1	nucleus	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0191
nampt3.1	extracellular space	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt3.1	cytokine activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0202
nampt3.1	NAD biosynthetic process	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt3.1	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt3.1	rhythmic process	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0090
nampt3.1	cytokine activity	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt3.1	transferase activity	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0808
nampt3.1	nucleus	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0539
nampt3.1	nicotinate-nucleotide diphosphorylase (carboxylating) activity	ZFIN	Danio rerio	IEA	InterPro:IPR036068
nampt3.1	cytoplasm	UniProt	Danio rerio	IEA	UniProtKB-SubCell:SL-0086
nampt3.1	nicotinamide phosphoribosyltransferase activity	ZFIN	Danio rerio	IEA	EC:2.4.2.12
nampt3.1	extracellular region	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0964
nampt3.1	circadian regulation of gene expression	UniProt	Danio rerio	IEA	UniRule:UR000955753
nampt3.1	transferase activity, transferring glycosyl groups	ZFIN	Danio rerio	IEA	UniProtKB-KW:KW-0328
Nampt	nucleotide binding	MGI	Mus musculus	ISO	RGD:631365

Namp1	nucleotide binding	MGI	Mus musculus ISO	RGD:631365
Namp1	microglial cell activation	MGI	Mus musculus ISO	RGD:631365
Namp1	catalytic activity	UniProt	Mus musculus IEA	InterPro:IPR013785
Namp1	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Mus musculus IEA	InterPro:IPR036068
Namp1	cytokine activity	MGI	Mus musculus ISO	RGD:631365
Namp1	extracellular region	UniProt	Mus musculus IEA	UniProtKB-KW:KW-0964
Namp1	extracellular space	UniProt	Mus musculus IEA	UniProtKB-KW:KW-0202
Namp1	nucleus	MGI	Mus musculus ISO	RGD:631365
Namp1	cytoplasm	MGI	Mus musculus IDA	
Namp1	cytoplasm	MGI	Mus musculus ISO	RGD:631365

Nampt	plasma membrane	MGI	Mus musculus ISO	RGD:631365
Nampt	NAD biosynthetic process	MGI	Mus musculus IDA	
Nampt	negative regulation of autophagy	MGI	Mus musculus ISO	RGD:631365
Nampt	regulation of lung blood pressure	MGI	Mus musculus ISO	RGD:631365
Nampt	nuclear speck	MGI	Mus musculus ISO	UniProtKB:P43490
Nampt	transferase activity	UniProt	Mus musculus IEA	UniProtKB-KW:KW-0808
Nampt	transferase activity, transferring glycosyl groups	UniProt	Mus musculus IEA	UniProtKB-KW:KW-0328
Nampt	pyridine nucleotide biosynthetic process	UniProt	Mus musculus IEA	UniProtKB-KW:KW-0662
Nampt	cell junction	MGI	Mus musculus ISO	UniProtKB:P43490
Nampt	circadian regulation of	UniProt	Mus musculus IMP	

Nampt	gene expression	UniProt	Mus musculus	IPI	
Nampt	identical protein binding	IntAct	Mus musculus	IPI	UniProtKB:Q99KQ4
Nampt	identical protein binding	IntAct	Mus musculus	IPI	UniProtKB:Q99KQ4
Nampt	identical protein binding	MGI	Mus musculus	ISO	UniProtKB:P43490
Nampt	identical protein binding	MGI	Mus musculus	ISO	RGD:631365
Nampt	positive regulation of transcription by RNA polymerase II	MGI	Mus musculus	ISO	UniProtKB:P43490
Nampt	nicotinamide phosphoribosyltransferase activity	MGI	Mus musculus	IDA	
Nampt	nicotinamide phosphoribosyltransferase activity	MGI	Mus musculus	ISO	RGD:631365
Nampt	rhythmic process	UniProt	Mus musculus	IEA	UniProtKB-KW:KW-0090
Nampt	positive regulation of smooth muscle cell proliferation	MGI	Mus musculus	ISO	RGD:631365

Nampt	positive regulation of nitric-oxide synthase biosynthetic process	MGI	Mus musculus	ISO	UniProtKB:P43490
Nampt	negative regulation of cellular senescence	MGI	Mus musculus	ISO	RGD:631365
Nampt	cytosol	Reactome	Mus musculus	TAS	
Nampt	circadian rhythm	UniProt	Mus musculus	IEP	
NAMPT	nicotinate-nucleotide diphosphorylase (carboxylating) activity	UniProt	Bos taurus	IEA	UniRule:UR000955753
NAMPT	cytokine activity	UniProt	Bos taurus	IEA	UniRule:UR000955753
NAMPT	extracellular space	UniProt	Bos taurus	IEA	UniProtKB-KW:KW-0202
NAMPT	cytoplasm	UniProt	Bos taurus	IEA	UniProtKB-SubCell:SL-0086
NAMPT	signal transduction	GOC	Bos taurus	IEA	GO:0005125
NAMPT	NAD biosynthetic process	UniProt	Bos taurus	IEA	UniPathway:UPA00253
NAMPT	nuclear speck	Ensembl	Bos taurus	IEA	UniProtKB:A0A024R718 ensembl:ENSP00000390591
NAMPT	cell junction	Ensembl	Bos taurus	IEA	UniProtKB:A0A024R718 ensembl:ENSP00000390591
NAMPT	circadian regulation of gene expression	UniProt	Bos taurus	IEA	UniRule:UR000955753
NAMPT	identical protein binding	Ensembl	Bos taurus	IEA	UniProtKB:Q99KQ4 ensembl:ENSMUSP00000020886

[NAMPT](#) [nicotinamide](#)
[phosphoribosyltransferase](#) UniProt [Bos taurus](#) IEA [EC:2.4.2.12](#)
activity

Reference

[ZFIN:ZDB-PUB-020723-1](#)

[ZFIN:ZDB-PUB-020724-1](#)

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[ZFIN:ZDB-PUB-020723-1](#)

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