

# Recombinant Mouse Nicotinamide Phosphoribosyltransferase

Cat. No. Nampt-1667M Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full-length (a.a.1-491) mouse Nampt was expressed in E. coli, 55 kDa.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Nicotinamide phosphoribosyltransferase (NAMPRTase or Nampt) also known as pre-B-cell colony-enhancing factor 1 (PBEF1) or visfatin is an enzyme that in humans is encoded by the PBEF1 gene. This protein has also been reported to be a cytokine (PBEF) that promotes B cell maturation and inhibits neutrophil apoptosis.
<b>Biological Activity</b>	Mimics insulin effects in differentiating 3T3-L1 cells.
<b>Molecular Weight</b>	55 kDa
<b>Form</b>	Lyophilized without additives.
<b>Appearance</b>	Lyophilized protein
<b>Endotoxin Level</b>	<0.1 ng/μg
<b>Reconstitution</b>	Reconstitute in PBS to the concentration of 0.1-1 mg/ml.
<b>Purity</b>	>95% by SDS-PAGE and HPLC.

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<b>Storage</b>	-20°C.
<b>Pathways</b>	Adipogenesis; Metabolism of vitamins and cofactors; Metabolism of water-soluble vitamins and cofactors; NAD biosynthesis III; Nicotinamide salvaging; Nicotinate and nicotinamide metabolism; Nicotinate metabolism
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Nampt nicotinamide phosphoribosyltransferase [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Nampt
<b>Synonyms</b>	Nampt; nicotinamide phosphoribosyltransferase; Pbef; Pbef1; AI314458; AI480535; Visfatin; NAmPRTase; 1110035O14Rik; pre-B-cell colony-enhancing factor 1 homolog; NP_067499.2; EC 2.4.2.12; DKFZp666B131; pre-B-cell colony enhancing factor 1; MGC117256; Pre-B cell-enhancing factor; OTTHUMP00000179150
<b>Gene ID</b>	59027
<b>mRNA Refseq</b>	NM_021524
<b>Protein Refseq</b>	NP_067499
<b>UniProt ID</b>	Q99KQ4
<b>Chromosome Location</b>	12; 12 B1
<b>Function</b>	cytokine activity; drug binding; nicotinamide phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; protein homodimerization activity; transferase activity;

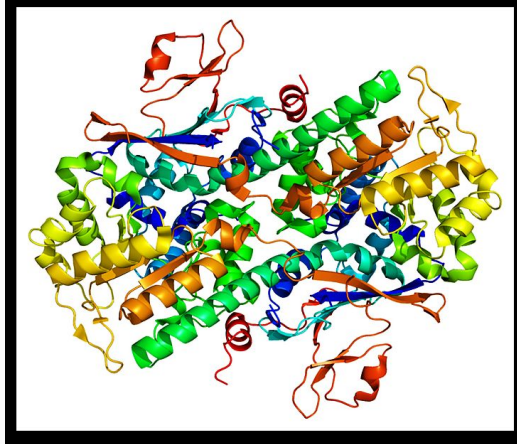
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transferase activity, transferring glycosyl groups

PDB rendering based  
on 2g95.



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