

Recombinant Mouse Nicotinamide Phosphoribosyltransferase

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

SPECIFICATION

Product Overview	Recombinant full-length (a.a.1-491) mouse Nampt was expressed in E. coli, 55 kDa.
Species	Mouse
Source	E.coli
Description	Nicotinamide phosphoribosyltransferase (NAMPTase 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.
Biological Activity	Mimics insulin effects in differentiating 3T3-L1 cells.
Molecular Weight	55 kDa
Form	Lyophilized without additives.
Appearance	Lyophilized protein
Endotoxin Level	<0.1 ng/μg
Reconstitution	Reconstitute in PBS to the concentration of 0.1-1 mg/ml.
Purity	>95% by SDS-PAGE and HPLC.

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Storage	-20°C.
Pathways	Adipogenesis; Metabolism of vitamins and cofactors; Metabolism of water-soluble vitamins and cofactors; NAD biosynthesis III; Nicotinamide salvaging; Nicotinate and nicotinamide metabolism; Nicotinate metabolism
GENE INFORMATION	
Gene Name	Nampt nicotinamide phosphoribosyltransferase [<i>Mus musculus</i>]
Official Symbol	Nampt
Synonyms	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
Gene ID	59027
mRNA Refseq	NM_021524
Protein Refseq	NP_067499
UniProt ID	Q99KQ4
Chromosome Location	12; 12 B1
Function	cytokine activity; drug binding; nicotinamide phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; protein homodimerization activity; transferase activity;

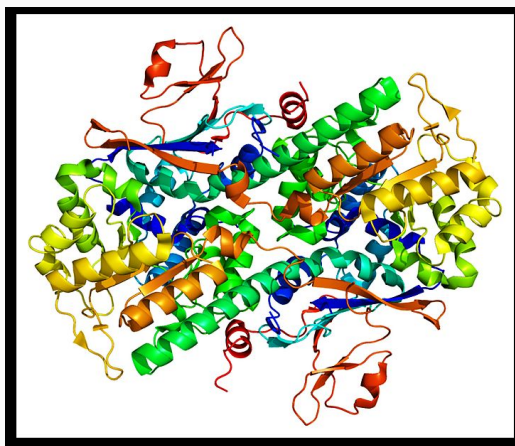
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transferase activity, transferring glycosyl groups

PDB rendering based
on 2g95.



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