Recombinant Mouse Nampt Protein, His-tagged

Cat. No. Nampt-383M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nampt Protein (Met1-His491) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-His491
Description	Enables identical protein binding activity and nicotinamide phosphoribosyltransferase activity. Involved in circadian regulation of gene expression. Acts upstream of or within NAD biosynthetic process and circadian rhythm. Located in cytoplasm. Is expressed in several structures, including alimentary system; genitourinary system; integumental system; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in transient cerebral ischemia. Orthologous to human NAMPT (nicotinamide phosphoribosyltransferase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.0 kDa Accurate Molecular Mass: 59 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

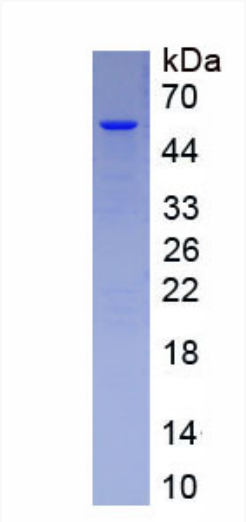
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Nampt nicotinamide phosphoribosyltransferase [Mus musculus (house mouse)]
Official Symbol	Nampt
Synonyms	NAMPT; nicotinamide phosphoribosyltransferase; pre-B-cell colony-enhancing factor 1 homolog; Pbef; Pbef1; AI314458; AI480535; Visfatin; NAmPRTase; 1110035O14Rik
Gene ID	59027
mRNA Refseq	NM_021524
Protein Refseq	NP_067499
UniProt ID	Q99KQ4

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