

Recombinant Mouse Pre-B-cell Colony-enhancing Factor 1, His-tagged

Cat. No. Nampt-157M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse visfatin was expressed in E.coli and purified by using conventional chromatography techniques, 57 kDa (511 aa).
Species	Mouse
Source	E.coli
Description	Visfatin is predominantly secreted from visceral adipose tissue both in humans and mice. This protein has also been reported to be a cytokine (pre-B cell colony-enhancing factor, PBEF) that promotes B cell maturation and inhibits neutrophil apoptosis, or a visceral-fat derived hormone that acts by binding and activating the insulin receptor.
Sequences of amino acids	MGSSHHHHHH SGLVPRGSH MNAAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKTENSKVR KVKYEETVFY GLQYILNKYL KGKVVTEKI QEAKEVYREH FQDDVFNERG WNYILEKYDG HLPiEVKAVP EGSVIPRGNV LFTVENTDPE CYWLTNWiet ILVQSWYPIT VATNSREQKK ILAKYLLETS GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLVNFKGTDT VAGIALIKKY YGTKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGEDLRHLIV SRSTEAPLII RPDsgNPLDT VLKVLdILGK KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KKWSIENVSF GSGGALLQKL TRDLLNCSFK CSYVVTNGLG VNVFKDPVAD PNKRskKGRL SLHRTpAGNF VTLEEGKGDL EEYGHdLLHT VFkNGKVtKS YSFDEVRKNA

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	QLNIEQDVAP H
Formulation	Liquid In Phosphate-Buffered Saline (pH 7.4)
Purity	> 90% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	Nampt nicotinamide phosphoribosyltransferase [Mus musculus]
Synonyms	1110035O14Rik; DKFZp666B131; EC 2.4.2.12; MGC117256; NAmPRTase; Nampt; PBEF; PBEF1; VF; VISFATIN; Pre-B cell-enhancing factor; Pre-B-cell colony-enhancing factor 1; nicotinamide phosphoribosyltransferase; pre-B-cell colony enhancing factor 1; AI314458; AI480535
Gene ID	59027
mRNA Refseq	NM_021524
Protein Refseq	NP_067499
MIM	
UniProt ID	Q99KQ4
Chromosome Location	12 B1

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Pathway	Nicotinate and nicotinamide metabolism
Function	nicotinamide phosphoribosyltransferase activity; transferase activity; transferase activity, transferring glycosyl groups

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