

Recombinant Human Visfatin, His-tagged

Cat. No. NAMPT-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Visfatin, expressed in E. Coli, with his tag.
Species	Human
Source	E.coli
Description	Visfatin, also known as pre-B cell colony-enhancing factor (PBEF), is a cytokine that is highly expressed in visceral fat and was originally isolated as a secreted factor that synergizes with IL-7 and stem cell factors to promote the growth of B cell precursors. Visfatin homologs have been identified in carp, invertebrate mollusks, and bacteria, as well as in vertebrates, including humans and the mouse. It has been postulated to play a role in innate immunity.
Form	Visfatin His tag protein contains 20mM Tris pH-8, 0.1mM DTT & 10% glycerol. Concentration of 1 mg/ml.
Molecular Mass	Visfatin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 511 amino acids and having a molecular mass of 57 kDa. The recombinant human Visfatin is fused to His tag at N-Terminus.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis bySDS-PAGE.
Unit Definition	MGSSHHHHHH SSGLVPRGSH MNPAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSKLR KVKEYEETVFY GLQYILNKYL KGKVVTKKEI

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QEAKDVYKEH FQDDVFNEKG WNYILEKYDG HLPKIEKAVP EGFVIPRGNV
 LFTVENTDPE CYWLTNWNET ILVQSWYPIT VATNSREQKK ILAKYLLETS
 GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLVNFKGTDT VAGLALIKKY
 YGKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS
 YDIYNACEKI WGEDLRHLIV SRSTQAPLII RPDSGNPLDT VLKVLLEILGK
 KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KMWSIENIAF
 GSGGGLLQKL TRDLLNCSFK CSYVVTNGLG INVFKDPVAD PNKRSKKGRL
 SLHRTPAGNF VTLEEGKGD L EEYGQDLLHT VFKNGKVTKS YSFDEIRKNA
 QLNIELEAAH H

Usage FOR RESEARCH USE ONLY

Quality Control Test Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time. Please avoid freeze thaw cycles.

Warning Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name [NAMPT nicotinamide phosphoribosyltransferase \[Homo sapiens \]](#)

Official Symbol NAMPT

Synonyms NAMPT; nicotinamide phosphoribosyltransferase; PBEF1, pre B cell colony enhancing factor 1; PBEF; visfatin; NAMPTase; pre-B cell-enhancing factor; pre-B-cell colony enhancing factor 1; pre-B-cell colony-enhancing factor 1; VF; PBEF1; VISFATIN; 1110035O14Rik; MGC117256; DKFZp666B131;

Gene ID [10135](#)

mRNA Refseq [NM_005746](#)

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Protein Refseq	NP_005737
MIM	608764
UniProt ID	P43490
Chromosome Location	7q22.2
Pathway	Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; NAD biosynthesis III, organism-specific biosystem;
Function	cytokine activity; nicotinamide phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; transferase activity, transferring glycosyl groups;