

## Recombinant Human Visfatin, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Visfatin, expressed in E. Coli, with his tag.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Visfatin His tag protein contains 20mM Tris pH-8, 0.1mM DTT & 10% glycerol. Concentration of 1 mg/ml.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 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.                                                                                                                                                                                                                                               |
| <b>Purity</b>           | Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis bySDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Unit Definition</b>  | MGSSHHHHHH SSGLVPRGSH MNPAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSKLR KVKEYEETVFY GLQYILNKYL KGKVVTKKI                                                                                                                                                                                                                                                                                                                                                                    |

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QEAKDVYKEH FQDDVFNEKG WNYILEKYDG HLPKIEKAVP EGFVIPRGNV  
 LFTVENTDPE CYWLTNWET ILVQSWYPIT VATNSREQKK ILAKYLLETS  
 GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLVNFKGTDT VAGLALIKKY  
 YGKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS  
 YDIYNACEKI WGEDLRHLIV SRSTQAPLII RPDSGNPLDT VLKVLILGK  
 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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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Refseq</b>      | NP_005737                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 608764                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | P43490                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 7q22.2                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | 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; |
| <b>Function</b>            | cytokine activity; nicotinamide phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; transferase activity, transferring glycosyl groups;                                                                                                                                                                                  |