Active Recombinant Human NAMPT, Flag-tgged

Cat. No. NAMPT-988H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Visfatin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 466 amino acids. The total molecular mass is 52.6kDa (calculated). The Visfatin is purified by Flag-affinity chromatography.
Species	Human
Source	E.coli
Description	This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-p hosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein belongs to the nicotini c acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and agin g. This gene has a pseudogene on chromosome 10.
Form	Filtered White lyophilized (freeze-dried) powder. Visfatin was lyophilized with no additives.
Bio-activity	The activity is determined by its ability to induce IL-6, IL-1 beta and TNF alpha production from human PBMCs at 100ng/ml.
Molecular Mass	52.6kDa
AA Sequence	MPPNTSKVYS YFECREKKTE NSKLRKVKYE ETVFYGLQYI LNKYLKGKVV TKEKIQEAKD VYKEHFQDDV FNEKGWNYIL EKYDGHLPIE IKAVPEGFVI

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	PRGNVLFTVE NTDPECYWLT NWIETILVQS WYPITVATNS REQKKILAKY LLETSGNLDG LEYKLHDFGY RGVSSQETAG IGASAHLVNF KGTDTVAGLA LIKKYYGTKD PVPGYSVPAA EHSTITAWGK DHEKDAFEHI VTQFSSVPVS VVSDSYDIYN ACEKIWGEDL RHLIVSRSTQ APLIIRPDSG NPLDTVLKVL EILGKKFPVT ENSKGYKLLP PYLRVIQGDG VDINTLQEIV EGMKQKMWSI ENIAFGSGGG LLQKLTRDLL NCSFKCSYVV TNGLGINVFK DPVADPNKRS KKGRLSLHRT PAGNFVTLEE GKGDLEEYGQ DLLHTVFKNG KVTKSYSFDE IRKNAQLNIE LEAAHH
Purity	Greater than 95.0% as determined by SDS-PAGE.
Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with 20 mM HCl at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. Wait several minutes for full reconstitution and solubility.

GENE INFORMATION

Gene Name	NAMPT nicotinamide phosphoribosyltransferase [Homo sapiens (human)]
Official Symbol	NAMPT
Synonyms	NAMPT; nicotinamide phosphoribosyltransferase; PBEF; PBEF1; pre-B-cell colony enhancing factor 1; Pre-B cell-enhancing factor; Pre-B-cell colony-enhancing factor 1; NAmPRTase; EC 2.4.2.12; VF; 1110035O14Rik; DKFZp666B131; MGC117256; OTTHUMP00000179150; VISFATIN; Visfatin
Gene ID	10135
mRNA Refseq	NM_005746

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_005737
MIM	608764
UniProt ID	P43490
Chromosome Location	7q22.3
Pathway	Adipogenesis; Metabolism of vitamins and cofactors; Metabolism of water-soluble vitamins and cofactors; Nicotinamide salvaging; Nicotinate and nicotinamide metabolism; Nicotinate metabolism
Function	cytokine activity; nicotinamide phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; transferase activity, transferring glycosyl groups

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA