

Active Recombinant Human NAMPT Protein, His-tagged

Cat. No. NAMPT-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PBEF/Visfatin Protein (Asn2-His491) with an N-terminal Met and 6-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-491 a.a.
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 nicotinic acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and aging. This gene has a pseudogene on chromosome 10.
Bio-activity	Measured by its ability to induce VEGF secretion by PC-3 human prostate cancer cells. The ED50 for this effect is 1-5 µg/mL
Molecular Mass	56 kDa
N-terminal Sequence Analysis	Met
Endotoxin	< 0.1 EU/µg of the protein by the LAL method.

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Purity	> 90%, by SDS-PAGE with silver staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in HEPES, NaCl, EDTA, TCEP and Tween.
Reconstitution	Reconstitute at 500 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	NAMPT nicotinamide phosphoribosyltransferase [Homo sapiens (human)]
Official Symbol	NAMPT
Synonyms	NAMPT; nicotinamide phosphoribosyltransferase; VF; PBEF; PBEF1; VISFATIN; 1110035O14Rik; nicotinamide phosphoribosyltransferase; NAmPRTase; pre-B cell-enhancing factor; pre-B-cell colony-enhancing factor 1; EC 2.4.2.12
Gene ID	10135
mRNA Refseq	NM_005746
Protein Refseq	NP_005737
MIM	608764

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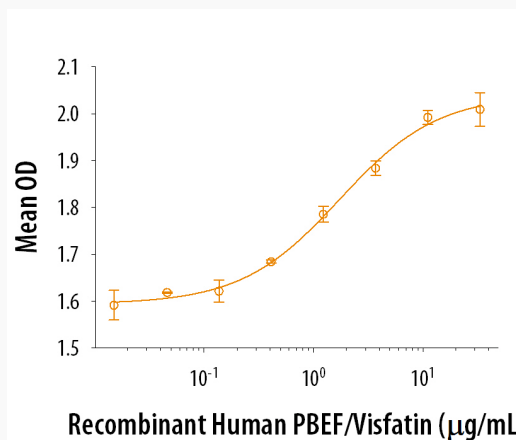
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UniProt ID

P43490

Bioactivity



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