

NAMPT (Human) Recombinant Protein

Catalog # P9331

Size 25 ug

Specification

Product Description Human NAMPT recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.

Sequence MGSSHHHHHSSGLVPRGSHMNPAEAEFNILLATDSYKVTHYKQYPPNTSKVYSYFECREKKTE
NSKLRKVKEYEETVFYGLQYLNKYLGKVVTKKEIQEAKDVYKEHFQDDVFNEKGWNYLEKYDGH
LPIEKAVPEGFVIPRGNLFTVENTDPECYWL TNWIETLVQSWYPITVATNSREQKKILAKYLLETS
GNLDGLEYYKLHDFGYRGVSSQETAGIGASAHLVNFKGTDTVAGLALIKKYYGTDKDPVPGYSVPAA
EHSTITAWGKDHEKDAFEHVTQFSSVPVSVVSDSYDIYNACEKIWGEDLRHLVSRSTQAPLIIRPD
SGNPLDTVLKVLEILGKKFPVTENSKGYKLLPPYL RVIQGDGVDINTLQEIVEGMKQKMWSIENIAF
GSGGGLLQKLTRDLLNCSFKCSYVVTNGLGINVFKDPVADPNKRSKKGRLSLHRT PAGNFV TLEE
GKGDLEEYQDLLHTVFKNGKVTKSYSFDEIRKNAQLNIELEAAHH

Host Escherichia coli

Theoretical MW (kDa) 57

Form Liquid

Preparation Method *Escherichia coli* expression system

Purity > 95% as determined by (a) RP-HPLC.(b) SDS-PAGE.

Storage Buffer Solution containing 20 mM Tris-HCl, pH 8.0, 10% glycerol, 0.1 mM DTT.

Storage Instruction Store at 4°C for one weeks and should be stored at -20°C to -80°C for long term storage.
Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — NAMPT

Entrez GeneID [10135](#)

Protein Accession#	P43490
Gene Name	NAMPT
Gene Alias	1110035O14Rik, DKFZp666B131, MGC117256, PBEF, PBEF1, VF, VISFATIN
Gene Description	nicotinamide phosphoribosyltransferase
Omim ID	608764
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein is an adipokine that is localized to the bloodstream and has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It also activates insulin receptor and has insulin-mimetic effects, lowering blood glucose and improving insulin sensitivity. The protein is highly expressed in visceral fat and serum levels of the protein correlate with obesity. This gene has a pseudogene on chromosome 10. [provided by RefSeq]
Other Designations	NAmPRTase pre-B cell-enhancing factor pre-B-cell colony enhancing factor 1

Pathway

- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)

- [Obesity](#)