

NAMPT (Human) Recombinant Protein

Catalog # P6430

Size 25 ug

Specification

Product Description	Human NAMPT (P43490) recombinant protein expressed in <i>E. Coli</i> .
Sequence	DQESCKGRCTEGFNVDKKQCDELCSYYQSCCTDYTAECKPQVTRGDVFTMPEDYTVYDDG EEKNNATVHEQVGGPSLTSDLQAQSKGNPEQTPVLKPEEEAPAPEVGASKPEGIDSRPETLHPG RPQPPAEEELCSGKPFDAFTDLKNGSLFAFRGQCYELDEKAVRPGYPKLIRDVWGIEGPIDAAF TRINCQGKTYLFKGSQYWRFGVLDPDYPRNISDGFDGIPDNVDAALALPAHSYSGRERVYFFK GKQYWEYQFQHQSQEECEGSSLSAVFEHFAMMQRDSWEDIFELLFWGRTSAGTRQPQFISRD WHGVPGQVDAAMAGRIYSGMAPRPSLAKKQRFHRNRKGYRSQRGHSRGRNQNSRRPSRATW LSLFSSEESNLGANNYDDYRMDWLVPATCEPIQSVFFFSGDKYYRVNLRTRRVDTVDPYPRSIA QYWLGC PAPGHL
Host	Escherichia coli
Theoretical MW (kDa)	50
Form	Lyophilized
Purity	> 95%
Endotoxin Level	<= 1 EUs/ug (LAL gel clot method)
Storage Buffer	Lyophilized from PBS, pH 7.2.
Storage Instruction	Stored at -20°C to -80°C. After reconstitution with sterile water not less than 0.1 mg/mL, store at -20°C to -80°C for 6 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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](#)