NAMPT (Human) Recombinant Protein

Catalog # P6255 Size 100 ug

Specification

Product Description	Human NAMPT (P43490) recombinant protein expressed in *E.Coli*.
Sequence	MPPNTSKVYSYFECREKKTENSKLRKVKYEETVFYGLQYILNKYLKGKVVTKEKIQEAKDVYKEHF QDDVFNEKGWNYILEKYDGHLPIEIKAVPEGFVIPRGNVLFTVENTDPECYWLTNWIETILVQSWYPI TVATNSREQKKILAKYLLETSGNLDGLEYKLHDFGYRGVSSQETAGIGASAHLVNFKGTDTVAGLA LIKKYYGTKDPVPGYSVPAAEHSTITAWGKDHEKDAFEHIVTQFSSVPVSVVSDSYDIYNACEKIW GEDLRHLIVSRSTQAPLIIRPDSGNPLDTVLKVLEILGKKFPVTENSKGYKLLPPYLRVIQGDGVDINT LQEIVEGMKQKMWSIENIAFGSGGGLLQKLTRDLLNCSFKCSYVVTNGLGINVFKDPVADPNKRS KKGRLSLHRTPAGNFVTLEEGKGDLEEYGQDLLHTVFKNGKVTKSYSFDEIRKNAQLNIELEAAHH
Host	Escherichia coli
Theoretical MW (kDa)	52.7
Form	Lyophilized
Purity	>= 90%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Quality Control Testing	Reducing and Non-Reducing SDS PAGE
Conformation	Monomer
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage Instruction	Stored at -20°C to-80°C for 12 month. After reconstitution with sterile 20 mM HCl at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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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

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- Insulin Resistance
- Kidney Failure
- Obesity

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