

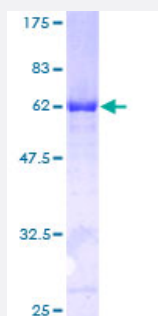
Full-Length

NAMPT (Human) Recombinant Protein (P01)

Catalog # H00010135-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NAMPT full-length ORF (AAH20691, 1 a.a. - 368 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNPAAEAEFNILLATDSYKVTHYKQYPPNTSKVYSYFECREKKTENSKLRKVKEYEETVIFYGLQYILN
KYLKGGKVVTKKEIQEAKDVYKEHFQDDVFNEKGWNYLEKYDGHLPKAVPEGFVIPRGNVLFV
ENTDPECYWLTNWIETILVQSWYPITVATNSREQKKILAKYLLETSGNLDGLEIKLHDFGYRGVSSQ
ETAGIGASAHLVNFKGTDVAGLALIKYYGTDKDPVPGYSVPAAEHSTITAWGKDHEKDAFEHVT
QFSSVPVSVSDSYDIYNACEKIWGEDLRHLVSRSTQAPLIIRPDSGNPLDVLKLVLEILGKKFPVT
ENSKGYKLLPPYLRVIQGDGVDINTLQEVCLY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.22

Interspecies Antigen Sequence

Mouse (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NAMPT

Entrez GeneID[10135](#)**GeneBank Accession#**[BC020691](#)**Protein Accession#**[AAH20691](#)**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

NAMPTase|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](#)