Datasheet for ABIN7534532

NAMPT Protein

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Overview

Quantity:	100 µg
Target:	NAMPT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Visfatin/Nampt Protein
Sequence:	MNPAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSKLR KVKYEETVFY GLQYILNKYL KGKVVTKEKI QEAKDVYKEH FQDDVFNEKG WNYILEKYDG HLPIEIKAVP EGFVIPRGNV LFTVENTDPE CYWLTNWIET ILVQSWYPIT VATNSREQKK ILAKYLLETS GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLVNFKGTDT VAGLALIKKY YGTKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGEDLRHLIV SRSTQAPLII RPDSGNPLDT VLKVLEILGK KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KMWSIENIAF GSGGGLLQKL TRDLLNCSFK CSYVVTNGLG INVFKDPVAD PNKRSKKGRL SLHRTPAGNF VTLEEGKGDL EEYGQDLLHT VFKNGKVTKS YSFDEIRKNA QLNIELEAAH H
Specificity:	Met1-His491
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	< 1 EU/µg of the protein by LAL method.

Target Details

Target:	NAMPT
Alternative Name:	Visfatin/Nampt (NAMPT Products)
Background:	Description: Pre-B cell colony enhancing factor (PBEF) was originally identified as a cytokine that potentiated the clonalexpansion and differentiation of pre-B cells, but it is also acknowledged to be the ubiquitous intracellularenzyme nicotinamide phosphoribosyltranferase (NAMPT) and the adipokine "" visfatin "" . PBEF is constitutivelyexpressed in the fetal membranes where its greatest expression is in the amnion. It has intracellular andextracellular forms. Most of the intracellular functions of PBEF are due to its role as a Nampt which can induceangiogenesis through upregulation of VEGF and VEGFR and secretion of MCP-1. Extracellular PBEF has beenshown to increase inflammatory cytokines, such as TNF- α , IL-1 β , IL-16, and TGF- β 1. PBEF also increases theproduction of IL-6, TNF- α , and IL-1 β in CD14+ monocytes, macrophages, and dendritic cells, enhances theeffectiveness of T cells. Name: NAMPT,1110035O14Rik,PBEF,PBEF1,VF,VISFATIN
Gene ID:	10135
UniProt:	P43490

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 8.0.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.