Recombinant human visfatin/NAMPT protein

Catalog Number: VST0801

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-491aa

UniProt No.
P43490

NCBI Accession No.
NP_005737

Alternative Names
Nicotinamide phosphoribosyltransferase, NAmPRTase, Nampt, Pre-B-cell colony-enhancing factor 1, Pre-B cell-enhancing factor, PBEF, PBEF1

PRODUCT SPECIFICATION

Molecular Weight
57 kDa (511aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol, 0.1mM DTT

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Visfatin is pre-B cell colony-enhancing factor 1 (PBEF), which is predominantly secreted from visceral adipose tissue both in humans and mice. This protein has also been reported to be a cytokine (PBEF) that promotes B cell maturation and inhibits neutrophil apoptosis, or a visceral-fat derived hormone that acts by binding and

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activating the insulin receptor. Recombinant human visfatin, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

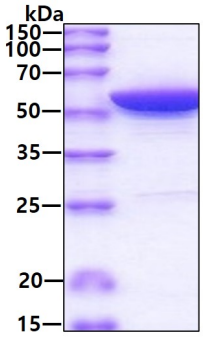
<MGSSHHHHHH SSGLVPRGSH> MNPAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSKLR KVKYEETVFY GLQYILNKYL KGKVVTKEKI QEAKDVYKEH FQDDVFNEKG WNYILEKYDG HLPIEIKAVP EGFVIPRGNV LFTVENTDPE CYWLTNWIET ILVQSWYPIT VATNSREQKK ILAKYLLETS GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLVNFKGTDT VAGLALIKKY YGTKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGEDLRHLIV SRSTQAPLII RPDSGNPLDT VLKVLEILGK KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KMWSIENIAF GSGGGLLQKL TRDLLNCSFK CSYVVTNGLG INVFKDPVAD PNKRSKKGRL SLHRTPAGNF VTLEEGKGDL EEYGQDLLHT VFKNGKVTKS YSFDEIRKNA QLNIELEAAH H

General References

Stephens JM., et al. (2006) Curr Opin Lipidol. 17:128-31.
Hug C, Lodish HF., et al (2005) Science. 307:36-97.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.