Recombinant mouse visfatin/NAMPT protein

Catalog Number: VIS0702

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-491aa

UniProt No.
Q99KQ4

NCBI Accession No.
NP_067499.2

Alternative Names
Pre-B-cell colony-enhancing factor 1, Pre-B-cell colony-enhancing factor 1, Visfatin, visfatin mouse, mouse visfatin, Nicotinamide phosphoribosyltransferase [Mus musculus], Pre-B-cell colony-enhancing factor 1, Uscropma-cell colony-enhancing 2

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity
> 90% 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 predominantly secreted from visceral adipose tissue both in humans and mice. This protein has also been reported to be a cytokine (pre-B cell colony-enhancing factor, PBEF) that promotes B cell maturation and

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inhibits neutrophil apoptosis, or a visceral-fat derived hormone that acts by binding and activating the insulin receptor. Recombinant mouse visfatin was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

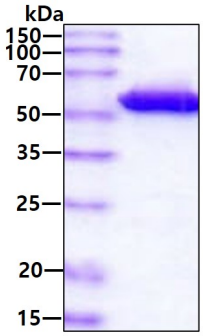
<MGSSHHHHHH SSGLVPRGSH> MNAAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSKVR KVKYEETVFY GLQYILNKYL KGKVVTKEKI QEAKEVYREH FQDDVFNERG WNYILEKYDG HLPIEVKAVP EGSVIPRGNV LFTVENTDPE CYWLTNWIET ILVQSWYPIT VATNSREQKK ILAKYLLETS GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLVNFKGTDT VAGIALIKKY YGTKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGEDLRHLIV SRSTEAPLII RPDSGNPLDT VLKVLDILGK KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KKWSIENVSF GSGGALLQKL TRDLLNCSFK CSYVVTNGLG VNVFKDPVAD PNKRSKKGRL SLHRTPAGNF VTLEEGKGDL EEYGHDLLHT VFKNGKVTKS YSFDEVRKNA QLNIEQDVAP H

General References

Stephens JM., et al. (2006) Curr Opin Lipidol. 17:128-31.
Hug C., et al. (2005) Science. 307(5708):366-7.

DATA

SDS-PAGE



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