

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

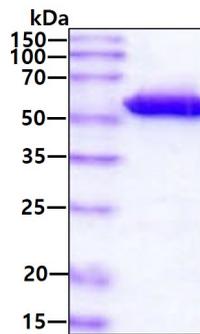
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LFTVENTDPE CYWLTNWIET ILVQSWYPIT VATNSREQK ILAKYLLETS GNLDGLEYKL HDFGYRGVSS QETAGIGASA
HLVNFKGTDT VAGIALIKKY YGKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI
WGEDLRHLIV SRSTEAPLII RPDSGNPLDT VLKVL DILGK KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ
KKWSIENVSF GSGGALLQKL TRDLLNCSFK CSYVVTNGLG VNVFKDPVAD PNKRSKKGRL SLHRTPAGNF VTLEEGKGD
EYGHDLHT 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



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