

Product information



Visfatin, 1-491aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBVST0801

Size: 0.5 mg
Size: 100 ug

Synonyms: Pre-B-cell colony-enhancing factor 1(PBEF), NAMPT, MGC117256

NCBI Accession No.: NP_005737

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 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.

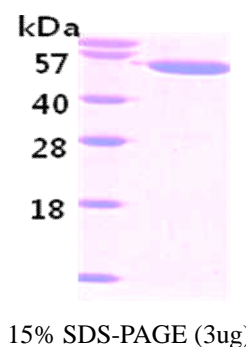
Form: Liquid in 20mM Tris (pH 8.0), 0.1mM DTT, 10% glycerol

Molecular Weight: 57 kDa (511 aa)

Purity: > 95 % by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MNPAAEAFFN ILLATDSYKV THYKQYPNT SKVYSYFECR EKKTENSKLR KVKYEETVFY GLQYILNKYL
KGKVVTKEL QEAKDVYKEH FQDDVFNEKG WNYILEKYDG HLP I E I KAVP EGFV I PRGNV LFTVENTDPE CYWLTNWIET ILVQSWYPIT
VATNSREQKK ILAKYLLETS GNLDGLEYKL HDFGYRGVSS QETAGIGASA HLNVFKGTDV VAGLALIKKY YGKDPVPGY SVPAAEHSTI
TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGDLRHLIV SRSTQAPLII RPDGNNPLDT VLKVL E ILGK KFPVTENSKG
YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KMWSIENIAF GSGGGLLQKL TRDLLNCSFK CSYVVTNGLG INVFKDPVAD PNKRSKKGRL
SLHRTAGNF VTLEEGKGD L EEYGQDLLHT VFKNKGVTKS YSFDEIRKNA QLNIELEAAH H

General references:

Stephens JM., *et al.* (2006) *Curr Opin Lipidol.* **17**:128-31.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Hug C, Lodish HF., *et al* (2005) *Science*. **307**:36-97.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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