

**Visfatin, 1-491aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP04477**

3th Edition

**Synonyms:**Pre-B-cell colony-enhancing factor 1, NAMPT, MGC117256, Nicotinamide phosphoribosyltransferase precursor, PBEF, PBEF1, VF, NAMPT, Visfatin, Nicotinamide phosphoribosyltransferase precursor, pre-B-cell colony enhancing factor 1,

**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), confirmed by MALDI-TOF.

**Sequences:**

MGSSHHHHHSSGLVPRGSHMNPAEAEFNILLATDSYKVTHYKQYPPNTSKVYSYFECREKKTENSKLRKVKYE  
ETVFYGLQYILNKYLKGGKVVTKKIQEAKDVYKEHFQDDVFNEKGWNYILEKYDGHLPKAVPEGFVIPRGNVLF  
VENTDPECYWLTNWIETILVQSWYPITVATNSREQKILAKYLLETSGNLDGLEYKLHDFGYRGVSSQETAGIGASA  
HLVNFKGTDTVAGLALIKKYYGTDKDPVPGYSVPAAEHSTITAWGKDHEKDAFEHIVTQFSSVPVSVVSDSYDIYNAC  
EKIWGEDLRHLIVSRSTQAPLIIRPDSGNPLDVLKVLKLEILGKGFVTENSKGYKLLPPYLRVIQGDGVDINTLQEIVEG  
MKQKMWSIENIAFGSGGGLLQKLTRDLLNCSFKCSYVVTNGLGINVFKDPVADPNKRSKKGRLSLHRTPAGNFVTL  
EEGKGDLEEYQDLLHTVFKNGKVTKSYFDEIRKNAQLNIELEAAHH

**Purity:**> 95% by HPLC

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

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

**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.