

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

Cat.NO.: TP04476

3th Edition

Synonyms:Pre-B-cell colony-enhancing factor 1, Visfatin, visfatin mouse, mouse visfatin, Nicotinamide phosphoribosyltransferase [Mus musculus], Pre-B-cell colony-enhancing factor 1

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 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.

Form:In Phosphate-Buffered Saline (pH 7.4)

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

Sequences:

MGSSHHHHHSSGLVPRGSHMNAAAEAEFNILLATDSYKVTHYKQYPPNTSKVYSYFECREKKTENSKVRKVKYE
ETVFGYGLQYILNKYLKGGKVVTKKEKIQEAKVEVREHFQDDVFNERGWNYILEKYDGHLPKAVPEGSVIPRGNVLF
VENTDPECYWLTNWIETILVQSWYPITVATNSREQKILAKYLLETSGNLDGLEYKLHDFGYRGVSSQETAGIGASA
HLVNFKGTDTVAGIALIKKYYGKDPVPGYSVPAAEHSTITAWGKDHEKDAFEHIVTQFSSVPVSVSDSYDIYNACE
KIWGEDLRHLIVSRSTEAPLIIRPDSGNPLDVLKVLKLDILGKKFPVTENSKGYKLLPPYLRVIQGDGVDINTLQEIVEGM
KQKKWSIENVFSGSGGALLQKLTRDLLNCSFKCSYVVTNGLGVNVFKDPVADPNKRSKKGRSLHHRTPAGNFVTLE
EGKGDLEEYGHDLHTVFKNGKVTKSYSFDEVRKNAQLNIEQDVAPH

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.