

Human Visfatin

Synonyms: PBEF, Pre-B cell colony-enhancing factor, Nicotinamide phosphoribosyltransferase NAMPRTase, Nampt, MGC117256, DKFZP666B131, 1110035O14Rik.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	2185.950.005		
25 µg	2185.950.025		
1 mg	2185.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Visfatin Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 466 amino acids. The total molecular mass is 52.6kDa (calculated). The Visfatin is purified by Flag-affinity chromatography.

- **Source** *E. Coli*
- **Purity** ≥ 90 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Visfatin was lyophilized with no additives*
- **Physical state** Filtered white lyophilized (freeze-dried) powder

Biological Activity

The activity is determined by its ability to induce IL-6, IL-1 beta and TNF alpha production from human PBMCs at 100ng/ml.

Reconstitution

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with 20 mM HCl at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. Wait several minutes for full reconstitution and solubility.

Stability

Lyophilized Visfatin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Visfatin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MPPNTSKVYS YFECREKKTE NSKLRKVKYE ETVFYGLQYI LNKYLKGGKVV TKEKIQEAKD VYKEHFQDDV
 FNEKGWNYIL EKYDGHLPPIE IKAVPEGFVI PRGNVLFVTE NTDPECYWLT NWIETILVQS WYPITVATNS
 REQKILAKY LLETSGNLDG LEYKLHDFGY RGVSSQETAG IGASAHLVNF KGTDTVAGLA LIKKYYGTKD
 PVPGYSPVAA EHSTITAWGK DHEKDAFEHI VTQFSSVPVS VVSDSYDIYN ACEKIWGEDL RHLIVSRSTQ
 APLIIRPDSG NPLDTVLKVL EILGKKFPVT ENSKGYKLLP PYLRVIQGDG VDINTLQEIIV EGMKQKMWSI
 ENIAFGSGGG LLQKLTRDLL NCSFKCSYVV TNLGINVFK DPVADPNKRS KKGRLSLHRT PAGNFVTTLEE
 GKGDLLEYGQ DLLHTVFKNG KVTKSYSFDE IRKNAQLNIE LEAAHH

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
 Tel.: +49 40 43208448-0
 order@active-bioscience.de
 www.active-bioscience.de

TECHNICAL SUPPORT
 Tel.: +49 40 43208448-11
 support@active-bioscience.de

Active Bioscience GmbH
 Oberaltenallee 8
 D-22081 Hamburg
 HRB 98170 Amtsgericht Hamburg