CELL APPLICATIONS, INC.

RECOMBINANT PROTEINS
Human Visfatin

SIZE	CAT. NO.
25 µg	RP1050-25
100 µg	RP1050-100
1000 µg	RP1050-1000

BACKGROUND:

Visfatin is an adipokine produced by visceral adipose tissue. Visfatin acts as a pro-inflammatory factor for peripheral blood mononuclear cells (PBMCs) and mimics the effects of insulin on adipocytes, monocytes and hepatocytes.

Recombinant human Visfatin is a non-glycosylated protein monomer, containing 466 amino acids and having a molecular mass of 52.7 kDa.

Cat. No.:
RP1050

Alternate Names:
PBEF

AA Sequence:

MPPNTSKVYS	YFECREKKTE	NSKLRKVKYE
ETVFYGLQYI	LNKYLKGKVV	TKEKIQEAKD
VYKEHFQDDV	FNEKGWNYIL	EKYDGHLPIE
IKAVPEGFVI	PRGNVLFTVE	NTDPECYWLT
NWIETILVQS	WYPITVATNS	REQKKILAKY
LLETSGNLDG	LEYKLHDFGY	RGVSSQETAG
IGASAHLVNF	KGTDTVAGLA	LIKKYYGTKD
PVPGYSVPAA	EHSTITAWGK	DHEKDAFEHI
VTQFSSVPVS	VVSDSYDIYN	ACEKIWGEDL
RHLIVSRSTQ	APLIIRPDSG	NPLDTVLKVL
EILGKKFPVT	ENSKGYKLLP	PYLRVIQGDG
VDINTLQEIV	EGMKQKMWSI	ENIAFGSGGG
LLQKLTRDLL	NCSFKCSYVV	TNGLGINVFK
DPVADPNKRS	KKGRLSLHRT	PAGNFVTLEE
GKGDLEEYGQ	DLLHTVFKNG	KVTKSYSFDE
IRKNAQLNIE	LEAAHH	

TECHNICAL INFO

Source:
E. coli

Physical Appearance:
Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:
0.1% Trifluoroacetic Acid (TFA)

Stability:
Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

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 sterile 20 mM HCI at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity determined by:
- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level:
Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.