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32-1530: IL36B 153 a.a. Recombinant Protein

Alternative Name : Interleukin 36 beta,interleukin 1 family member 8 (eta),Interleukin-1 homolog 2,IL1F8 (Canonical product IL-1F8a),IL-1F8 (FIL1-eta),Interleukin-1 Superfamily e,IL1H2,MGC126880,MGC126882.

Description

Source : Escherichia Coli. IL36B 153 a.a. Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 153 amino acids (5-157a.a.) and having a molecular mass of 17.2kDa.The IL36B 153 a.a. Human is purified by proprietary chromatographic techniques. Human IL-36b belongs to the IL-1 family that includes IL-1b, IL-1a, IL-1ra, IL-18, IL-36ra (IL1F5), IL-36b (IL1F8), IL-36g (IL1F9), IL-37 (IL1F7) and IL-38 (IL-1F10). The IL-1 family members display a 12 b-strand, b-trefoil configuration, and are thought to have ascended from a mutual ancestral gene. IL-36 beta is known to be actively secreted. Cells expressing IL-36 beta include resting and activated monocytes and B cells. The receptor for IL-36 beta is a blend of IL-1 Rrp2 and IL-1 RAcP. Recombinant IL-36 beta stimulates processes involving NF-kB and MAPK in an IL-1 Rrp2-dependent manner.

Product Info

Amount :	10 µg
Purification :	Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
Storage condition :	Lyophilized IL36B 153 a.a. Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36B 153 a.a. Human should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	REAAPKSYAI RDSRQMVWVL SGNSLIAAPL SRSIKPVTLH LIACRDTEFS DKEKGNMVYL GIKGKDLCLF CAEIQGKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLTKERG ITNNTNFYLD SVE

Application Note

It is recommended to reconstitute the lyophilized IL36B 153 a.a. Human in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. The ED50 as measured by its ability to induce IL-8 secretion in human preadipocytes is less than 10ng/ml, corresponding to a specific activity of 10IU/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.