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IL36B 153 a.a. Human

Catalog #:CYPS-187

For research use only.

Description: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.

Synonyms: 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.

Source: Escherichia Coli.

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

Amino Acid Sequence:REAAPKSYAI RDSRQMVWVL SGNSLIAAPL SRSIKPVTLH LIACRDTEFS DKEKGNMVYL GIKGKDLCLF CAEIQGKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLTKERG ITNNTNFYLD SVE

Purity: Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.

Formulation:
Lyophilized from a 0.2

Stability:
Lyophilized IL36B 153 a.a. Human althoμgh 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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized IL36B 153 a.a. Human in sterile 18M-cm H2O not less than 100

Introduction:
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 thoμght 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.

Biological Activity:
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.

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