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IL36B Mouse

Catalog #:CYPS-172

For research use only.

Description:IL36B Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 183 amino acids and having a molecular mass of 21.0kDa.The IL36B 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:MMAFPPQSCV HVLPPKSIQM WEPNHNTMHG SSQSPRNYRV HDSQQMVWVL TGNTLTAVPA SNNVKPVILS LIACRDTEFQ DVKKGNLVFL GIKNRNLCFC CVEMEGKPTL QLKEVDIMNL YKERKAQKAF LFYHGIEGST SVFQSVLYPG WFIATSSIER QTIILTHQRG KLVNTNFYIE SEK

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
Lyophilized from a 0.2

Stability:
Lyophilized IL36B Mouse althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36B 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 in sterile 18M-cm H2O not less than 100

Introduction:
Mouse 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. Mouse IL-36b/IL-1F8 is a 183 amino acid protein which holds no signal sequence, no prosegment and no potential N-linked glycosylation site(s). Mouse IL-36b like its human homologue is actively secreted. Mouse IL-36/IL-1F8 shares 61-74% aa homology with human IL-36/IL-1F8 isoform 2 and rat IL-1F8.

Biological Activity:
Measured by its binding ability in a functional ELISA to bind recombinant mouse IL-1 Rrp2.

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