
Product Data Sheet

Product Name: IL36B Mouse
 Cat. No.: GP20665
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	MMAFPPQSCV HVLPPKSIQM WEPNHNTMHG SSQSPRNYRV HDSQQMVWVL TGNTLTAVPA SNNVKPVILS LIACRDTEFQ DVKKGNLVFL GIKNRNLCFC CVEMEGKPTL QLKEVDIMNL YKERKAQKAF LFYHGIEGST SVFQSVLYPG WFIATSSIER QTIILTHQRG KLVNTNFYIE SEK		
Solubility	It is recommended to reconstitute the lyophilized IL36B in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 16 ^L PBS, pH 7.4.		

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 thought 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-36b/IL-1F8 shares 61-74% aa homology with human IL-36b/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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Lyophilized IL36B Mouse although 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.

Background

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.

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