9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL36B Mouse

Interleukin-36 Beta Mouse Recombinant
CYK0440

Product Overview

Name	IL36B Mouse
Description	
Interleukin-36 Beta Mouse Recombinant	
Accession (Primary)	Q9D6Z6
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.	
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-36?/IL-1F8 shares 61-74% aa homology with human IL-36?/IL-1F8 isoform 2 and rat IL-1F8.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered concentrated solution in 1×PBS, pH 7.4.	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MMAFPPQSCV HVLPPKSIQM WEPNHNTMHG SSQSPRNYRV HDSQQMVWVL TGNTLTAVPA SNNVKPVILS	

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LIACRDTEFQ DVKKGNLVFL GIKNRNLCFC CVEMEGKPTL QLKEVDIMNL YKERKAQKAF LFYHGIEGST SVFQSVLYPG WFIATSSIER QTIILTHQRG KLVNTNFYIE SEK

Biological Activity

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

Solubility

It is recommended to reconstitute the lyophilized IL36B in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL36B Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9D6Z6)