9051 Mira Mesa Blvd, #910094
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IL36B 153 a.a. Human

Interleukin-36 Beta 153 a.a Human Recombinant
CYK0438

Product Overview

Name	IL36B 153 a.a. Human
Description	
Interleukin-36 Beta 153 a.a Human Recombinant	
Accession (Primary)	Q9NZH7
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	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in 1xPBS, pH 7.4.	
Stability	
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.	
Purity	
Greater than 97.0% as determined by SDS-PAGE and HPLC analyses.	
Amino acid sequence	
REAAPKSYAI RDSRQMVWVL SGNSLIAAPL SRSIKPVTLH LIACRDTEFS DKEKGNMVYL GIKGKDLCLF	

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CAEIQGKPTL QLKEKNIMDL YVEKKAQKPF LFFHNKEGST SVFQSVSYPG WFIATSTTSG QPIFLTKERG ITNNTNFYLD SVE

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.

Solubility

It is recommended to reconstitute the lyophilized IL36B 153 a.a. Human 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 153 a.a. Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NZH7)