
Product Data Sheet

Product Name: IL36B Human
 Cat. No.: GP20663
 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	MNPQREAAPK SYAIRDSRQM VVVLSGNSLI AAPLSRSIKP VTLHLIACRD TEFSDKEKGN MVYLGKIGKD LCLFCAEIQG KPTLQLKEKN IMDLYVEKKA QKPFLFFHNK EGSTSVFQSV SYPGWFIATS TTSGQPIFLT KERGITNNTN FYLDSVE		
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

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.

Biological Activity

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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Stability

Lyophilized IL36B Human 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 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 157 amino acids and having a molecular mass of 17.7kDa. The IL36B is purified by proprietary chromatographic techniques.

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