Recombinant Human IL-36 beta/IL-1F8 Protein

Catalog No.: RP00020

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Sequence Information

Species
Human

Gene ID
27177

Swiss Prot
Q9NZH7

Tags
C-His

Synonyms
FIL1,FIL1-(ETA),FIL1H,FILI-(ETA), IL-1F8,IL-1H2,IL1-ETA,IL1F8, IL1H2,IL36B

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
18.07 kDa

Observed MW
18-25 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Interleukin-1 family member 8(IL1F8) also known as IL36B, is a member of the interleukin 1(IL-1) cytokine family. IL-36 beta is expressed by keratinocytes, naïve CD4+ T cells, neurons, and glia. It is up-regulated in keratinocytes and synovial fibroblasts by inflammatory stimulation and in psoriatic lesions. IL-36 beta promotes inflammatory responses by enhancing the activation and Th1 polarization of dendritic cells and T cells. It also enhances the production of multiple pro-inflammatory cytokines, chemokines, and anti-bacterial defensin peptides by keratinocytes, synovial fibroblasts, and articular chondrocytes. IL-1 family members exert their effects through binding to receptors that belong to the IL-1 receptor (IL-1R) family.

Basic Information

Description
Recombinant Human IL-36 beta/IL-1F8 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Arg5-Glu157) of human IL-36 beta (Accession #NP_775270.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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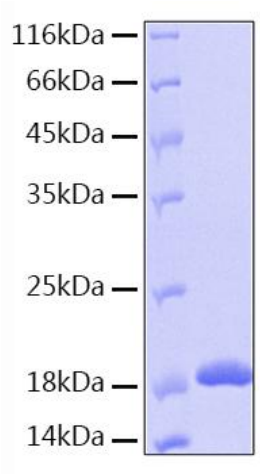
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human IL-36 beta/IL-1F8 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.