

Human IL36B / IL1F8 Protein

Catalog Number: 10579-HNAE



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

IL36B, FIL1, FIL1-(ETA), FIL1H, FILI-(ETA), IL-1F8, IL-1H2, IL1-ETA, IL1F8, IL1H2, MGC126880, MGC126882

Protein Construction:

A DNA sequence encoding the mature form of human IL36B isoform 2 (Q9NZH7-2) (Met 1-Glu 157) was expressed.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human IL36B consists of 157 amino acids and has a predicted molecular mass of 17.7 kDa. It migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

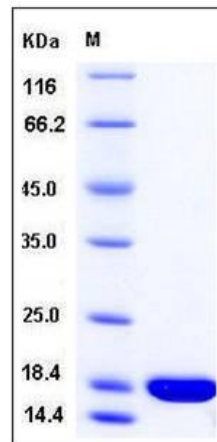
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

Interleukin-1 family member 8 (IL1F8) also known as IL36B, is a member of the interleukin 1 (IL-1) cytokine family. IL1F8 may contain a 12-stranded beta-trefoil structure. Until recently, the IL-1 family of cytokines included four members, with three having pro-inflammatory effects such as IL1F8 and the fourth member being an IL-1 receptor antagonist (IL-1Ra). IL-1 family members exert their effects through binding to receptors that belong to the IL-1 receptor (IL-1R) family. IL1F8 exerts proinflammatory effects in primary human joint cells. Joint and serum IL-1F8 protein levels did not correlate with inflammation, but they were high in some human serum samples tested, including samples from patients with rheumatoid arthritis. IL1F8 also activated NK-κB.

References

1. Magne D, et al. (2006) Arthritis Research & Therapy. 8: R80.
2. Smith DE, et al. (2000) The Journal of Biological Chemistry. 275: 1169-75.

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