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Recombinant human IL-38/IL-1F10 protein

Catalog Number: ATGP3044

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-152aa

UniProt No.

O8WWZ1

NCBI Accession No.

NP 115945.3

Alternative Names

Interleukin 1 family member 10, Family of interleukin 1-theta, FIL1 theta, Interleukin-1 HY2, IL-1HY2, Interleukin-1 theta, IL-1 theta, Interleukin-38, IL-38, FIL1T, Interleukin-1 receptor antagonist FKSG75

PRODUCT SPECIFICATION

Molecular Weight

16.9 kDa (152aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

IL1F10 also known as interleukin-1 family member 10. IL1F10 is cytokine with immunomodulatory activity. Alone, does not induce cytokine production, but reduces IL22 and IL17A production by T-cells in response to heat-killed Candida albicans. It reduces IL36G-induced production of IL8 by peripheral blood mononuclear cells. It increases



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IL6 production by dendritic cells stimulated by bacterial lipopolysaccharides (LPS) and ligand for IL-36R/IL1RL2. Recombinant human IL1F10 was expressed in E. coli and purified by using conventional chromatography techniques

Amino acid Sequence

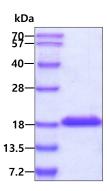
MCSLPMARYY IIKYADQKAL YTRDGQLLVG DPVADNCCAE KICTLPNRGL DRTKVPIFLG IQGGSRCLAC VETEEGPSLQ LEDVNIEELY KGGEEATRFT FFQSSSGSAF RLEAAAWPGW FLCGPAEPQQ PVQLTKESEP SARTKFYFEQ SW

General References

Bensen J.T., et al. (2001) J. Interferon Cytokine Res. 21:899-904. van de Veerdonk F.L., et al. (2012) Proc. Natl. Acad. Sci. u.S.A. 109:3001-3005.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

