

Recombinant human IL-17F protein

Catalog Number: ATGP3605

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

31-163aa

UniProt No.

Q96PD4

NCBI Accession No.

NP_443104

Alternative Names

CANDF6, IL-17F, Interleukin-17F, Interleukin-2, Macrophagaleukin-17F, ML-1

PRODUCT SPECIFICATION

Molecular Weight

16kDa (142aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Endotoxin level

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

Tag

His-Tag

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

IL17F, also known as Interleukin-17F, is a cytokine that shares sequence similarity with IL17. It is expressed in activated CD4+ T-cells and activated monocytes. The biological activities mediated by IL17F are similar to those of IL-17. This protein stimulates production of IL-6, IL-8, G-CSF, and regulates cartilage matrix turnover by increasing matrix release and inhibiting new matrix synthesis. It also inhibits angiogenesis and induces

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production of IL-2, TGF-beta, and monocyte chemoattractant protein-1 in endothelial cells Recombinant human IL17F protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPRKIPKVG HTFFQKPESC PPVPGGSMKL DIGIINENQR VSMSRNIESR STSPWNYTVT WDPNRYPSEV VQAQCRNLGC
INAQ GKEDIS MNSVPIQQET LVVRRKHQGC SVSFQLEKVL VTVGCTCVTP VIHHVQH HHHH HH

General References

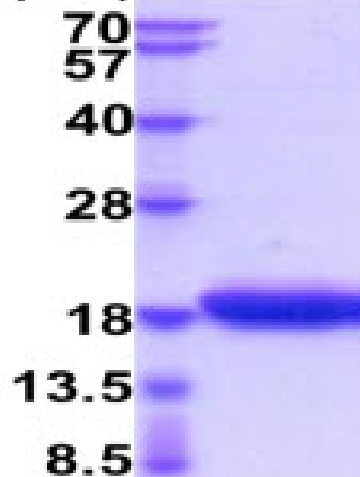
Fukuyama T., et al, (2012) J Gastrointestin Liver Dis. 21:243-249.

Giles DA., et al, (2016) PLoS One. 11:e0149783.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)