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Recombinant human IL-28B/IFNL3 protein

Catalog Number: ATGP3080

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-196aa

UniProt No.

08IZI9

NCBI Accession No.

NP 742151.2

Alternative Names

Cytokine Zcyto22, IL28B, IL-28B, IL28C, IL-28C, Interferon lambda-3, Interleukin-28B, Interleukin-28C, ZCYTO22

PRODUCT SPECIFICATION

Molecular Weight

20.4 kDa (181aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM EDTA, 0.1mM PMSF.

Purity

> 85% 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

IFNL3, also known as Interferon lambda-3, is a secreted protein which belongs to the IL-28/IL-29 family. It is a cytokine with immunomodulatory activity. It up-regulates MHC class I antigen expression. This protein displays potent antiviral activity and antitumor activity. It seems to signal through the Jak-STAT pathway. It also contributes to viral resistance and is known to be upregulated by interferons and by RNA virus infection.



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Recombinant human IFNL3, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

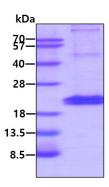
VPVARLRGAL PDARGCHIAQ FKSLSPQELQ AFKRAKDALE ESLLLKDCKC RSRLFPRTWD LRQLQVRERP VALEAELALT LKVLEATADT DPALGDVLDQ PLHTLHHILS QLRACIQPQP TAGPRTRGRL HHWLHRLQEA PKKESPGCLE ASVTFNLFRL LTRDLNCVAS GDLCV<HHHHH H>

General References

Kamal SM. et al. (2014) Am J Gastroenterol. 109(2):199-211. Frizon K. et al. (2014) Braz J Infect Dis. 18(2):229-30.

DATA

SDS-PAGE



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

