

Recombinant human IL-29/IFNL1 protein

Catalog Number: ATGP3419

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-200aa

UniProt No.

Q8IU54

NCBI Accession No.

NP_742152

Alternative Names

Interferon lambda 1, IFN-lambda-1, Cytokine Zcyto21, ZCYTO21, Interleukin-29, IL-29

PRODUCT SPECIFICATION

Molecular Weight

20.8 kDa (187aa)

Concentration

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

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% 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

IFNL1, as known as interferon lambda-1, is a secreted protein which belongs to the IL28/29 family. It is a cytokine with immunomodulatory activity. This protein is highly similar in amino acid sequence to the IL28. Also, it plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses. It may play a role in antiviral immunity. Recombinant human IFNL1, fused to His-tag at C-terminus,

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was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

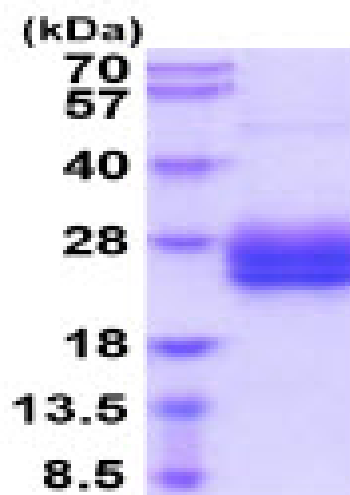
GPVPTSKPTT TGKGCHIGRF KSLSPQELAS FKKARDALEE SLKLKNWSCS SPVFPGNWDL RLLQVRERPV ALEAELALT
KVLEAAAGPA LEDVLDQPLH TLHHILSQLQ ACIQPQPTAG PRPRGRLHHW LHRLQEAPKK ESAGCLEASV TFNLFRLLTR
DLKYVADGNL CLRTSTHPES THHHHHH

General References

Meager A., et al. (2005) Cytokine 31:109-118.
Dumoutier L., et al. (2004) J. Biol. Chem. 279:32269-32274.

DATA

SDS-PAGE



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

15% SDS-PAGE (3 μ g)