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# Recombinant human IL-29/IFNL1 protein

Catalog Number: ATGP3419

## **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

20-200aa

#### **UniProt No.**

**08IU54** 

#### **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**

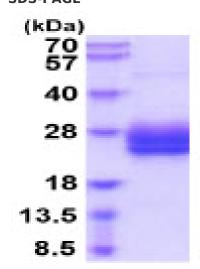
GPVPTSKPTT TGKGCHIGRF KSLSPQELAS FKKARDALEE SLKLKNWSCS SPVFPGNWDL RLLQVRERPV ALEAELALTL KVLEAAAGPA LEDVLDQPLH TLHHILSQLQ ACIQPQPTAG PRPRGRLHHW LHRLQEAPKK ESAGCLEASV TFNLFRLLTR DLKYVADGNL CLRTSTHPES THHHHHH

#### **General References**

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

### **DATA**





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

15% SDS-PAGE (3ug)