

# Recombinant human IL-29/IFNL1 protein

Catalog Number: ATGP2955

## PRODUCT INFORMATION

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### Expression system

E.coli

### 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

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### Molecular Weight

22.7 kDa (206aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

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### Description

IFNL1 also known as Interferon lambda-1. This protein is cytokine with immunomodulatory activity and may play a role in antiviral immunity. It is ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1. The ligand/receptor complex seems to signal through the Jak-STAT pathway. Recombinant human IFNL1, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGS HMGPVPT SKPTTTGKGC HIGRFKSLSP QELASFKKAR DALEESLKLK NWSCSSPVFP

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GNWDLRLLQV RERPVALEAE LALTLKVLEA AAGPALEDVL DQPLHTLHHI LSQIQACIQP QPTAGPRPRG RLHHWLHRLQ  
EAPKKESAGC LEASVTFNLF RLLTRDLKYV ADGNLCLRTS THPEST

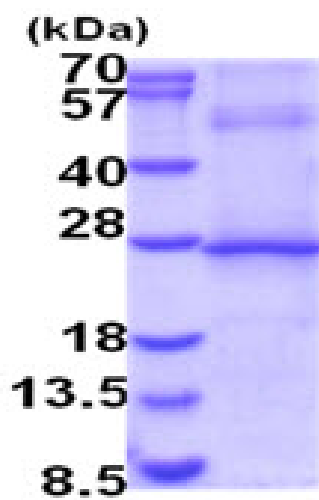
## General References

Kotenko S.V., et al. (2003) Nat. Immunol, 4:69-77

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)