PRODUCT INFORMATION

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

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

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 SSGLVPRGSH MGSHMGPVPT SKPTTTGKGC HIGRFKSLSP QELASFKKAR DALEESLKLK NWSCSSPVFP



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

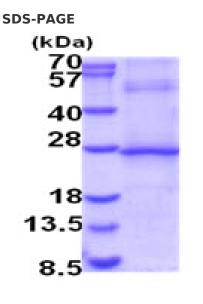
coomassie blue stain.

3ug by SDS-PAGE under reducing condition and visualized by

General References

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

DATA



15% SDS-PAGE (3ug)