

IFNL1, 20-200aa, Human, His tag, Baculovirus

Cat.NO.: TP02575

3th Edition

Synonyms: Interferon lambda-1, IFNL1, IL-29, IL29, Cytokine ZCYTO21, IFN lambda 1, IFN-lambda-1, IL29_HUMAN, Interferon lambda 1, Interferon lambda-1, Interleukin 29 (interferon, lambda 1), Interleukin-29.

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

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 20.8kDa (187aa), 18-28kDa (SDS-PAGE under reducing conditions)

Sequences:

GPVPTSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNWDLRLLQVRERPVALEAEL
ALTLKVLEAAAGPALEDVLDQPLHTLHHLSLQACIQPQPTAGPRPRGRLHHWLHRLQEAPKKESAGCLEASVTF
NLFRLLTRDLKYVADGNLCLRTSTHPESTHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.