

Bioactive

IFNL1 (Human) Recombinant Protein

Catalog # P7166

Size 20 ug

Specification

Product Description	Human IFNL1 (Q8IU54, 20 a.a. - 200 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	GPVPTSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNWDLRLLQ VRERPVALEAELALTLKVLEAAAGPALEDVLDQPLHTLHHLSQLQACIQPQPTAGPRPRGRLLHH WLHRLQEAPKKESAGCLEASVTFNLFRLLTRDLKYVADGNLCLRTSTHPEST
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	19.8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The ED ₅₀ was determined by an anti-viral assay using human HepG2 cells infected with encephalom yocarditis is < 5.0 ng/ml, corresponding to a specific activity of > 2.0 × 10 ⁵ IU/mg.
Storage Buffer	Lyophilized from sterile distilled Water up to 0.1 - 1.0 mg/ml
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL29

Entrez GeneID [282618](#)

Protein Accession# [Q8IU54](#)

Gene Name IL29

Gene Alias IFNL1, IL-29

Gene Description interleukin 29 (interferon, lambda 1)

Omim ID [607403](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 28B (IL28B) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA). [provided by RefSeq]

Other Designations interferon, lambda 1|interleukin 29

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)