

Active Recombinant Human IL29 Protein

Cat. No. IL29-5200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human IL29 (Q8IU54 , 24 a.a. - 200 a.a.) partial recombinant protein expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	24-200 a.a.
Description	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]
Form	Lyophilized
Bio-activity	The ED50 is determined in an anti-viral assay using human HepG2 cells infected with EMCV is typically 1-5 ng/mL.
Molecular Mass	20 kDa
AA Sequence	TSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNWDL

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RLLQVRERPVALEAELALTLKVLEAAAGPALEDVLDQPLHTLHHILSQLQACIQPQPT
AGPRPRGRLHHWLHRLQEAPKKESAGCLEASVTFNLFRLLTRDLKYVADGNLCLRT
STHPEST

Endotoxin < 0.1 ng/μg (1 EU/μg)

Purity > 90% by SDS-PAGE and HPLC

Applications Functional Study
SDS-PAGE

Storage Store at -20 centigrade on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4 centigrade for 1 month or store at -20 centigrade for 6 months. Aliquot to avoid repeated freezing and thawing.

Storage Buffer Lyophilized from 20 mM PB, 130 mM NaCl, pH 7.5

GENE INFORMATION

Gene Name IL29 interleukin 29 (interferon, lambda 1) [Homo sapiens]

Official Symbol IL29

Synonyms IL29; interleukin 29 (interferon, lambda 1); interleukin 29; interleukin-29; IFNL1; IL 29; IFN-lambda-1; cytokine Zcyto21; interferon lambda-1; interferon-lambda-1; interferon, lambda 1; IL-29;

Gene ID 282618

mRNA Refseq NM_172140

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Protein Refseq	NP_742152
MIM	607403
UniProt ID	Q8IU54

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