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32-7575: Recombinant Human Interferon Lambda-1/IL-29/IFN-Lambda1 (C-10His)

Gene : IFNL1
Gene ID : 282618
Uniprot ID : Q8IU54

Description

Source: Human Cells.
MW :21.4kD.
Recombinant Human Interferon Lambda-1 is produced by our Mammalian expression system and the target gene encoding Gly20-Thr200 is expressed with a 6His at the C-terminus. Interleukin-29 (IL-29) is a secreted protein which belongs to the IL-28/IL-29 family. IL-29 is a cytokine with immunomodulatory activity. IL-29 is highly similar in amino acid sequence to the IL-28. IL-28 and IL-29 are induced by viral infection and showed antiviral activity. IL-28 and IL-29 interacted with a heterodimeric class II cytokine receptor that consisted of IL-10 receptor beta (IL-10R beta) and an orphan class II receptor chain, designated IL-28R alpha. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses. IL-29 may play a role in antiviral immunity. IL-29 up-regulates MHC class I antigen expression. It is a Ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	GPVPTSKPTTTGKGCHIGRFKSLSPQELASFKKARDALEESLKLKNWSCSSPVFPGNWDLRLLQVRERPVALEA ELALTLKVLEAAAGPALEDVLDQPLHTLHHILSQLQACIQPQPTAGPRPRGRLHHWLHRLQEAPKKESAGCLEA SVTFNLFRLLTRDLKYVADGNLCLRTSTHPESTHHHHHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 ÃÂµg/ml. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.