9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL 28A Human

Interleukin-28A Human Recombinant
CYK0307

Product Overview

Name	IL 28A Human
Description	
Interleukin-28A Human Recombinant	
Accession (Primary)	Q8IZJ0
Synonyms	
Interleukin-28A, IL-28A, IFN-Lambda 2, IFN-Lambda 2, Cytokine ZCYTO20, IL28A, IFNL2, ZCYTO20.	
Introduction	
IL-28A is distantly related to type I IFNs and the IL-10 family. Expression of IL-28A is induced by viral infection which interacts with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha. IL-28A exhibits common features with type I IFNs such as antiviral activity, antiproliferative activity and in vivo antitumour activity. IL-28A acts similarly to IFNs, but is less effective generally and has activity in a more limited range of cell lines. IFN-ambda 1, IFN-lambda 2 and IFN-lambda 3 are closely positioned genes on human chromosome 19. IL-28A induces ELR(-) CXC chemokine mRNA in human peripheral blood mononuclear cells, in an IFN-gamma-independent manner. IL-28A is able to generate tolerogenic DCs, an activity that could thwart IFN-beta functions. IL-28A produced in response to viral infection, activates both monocytes and macrophages producing a restricted panel of cytokines and therefore is an important factor in activating innate immune responses at the site of viral infection.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered solution containing no additives.	
Stability	
Lyophilized IFN-Lambda 2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IFN-Lambda 2 Recombinant should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	

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Purity

Greater than 85% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

VPVAR LHGALPDARG CHIAQFKSLS PQELQAFKRAKDALEESLLL KDCRCHSRLF PRTWDLRQLQ VRERPMALEA ELALTLKVLE ATADTDPALV DVLDQPLHTL HHILSQFRAC IQPQPTAGPR TRGRLHHWLY RLQEAPKKES PGCLEASVTFNLFRLLTRDL NCVASGDLCV.

Solubility

It is recommended to reconstitute the lyophilized IL-28A in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 28A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8IZJ0)