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

IL 28A Human, His

Interleukin-28A Human Recombinant, His Tag
CYK0308

Product Overview

Name	IL 28A Human, His
Description	
Interleukin-28A Human Recombinant, His Tag	
Accession (Primary)	Q8IZJ0
Synonyms	
Interleukin-28A, IL-28A, IFN-Lambda 2, Interferon-Lambda 2, Cytokine ZCYTO20, IL28A, IFNL2, ZCYTO20.	
Introduction	
IL-28A is distantly related to type I interferons 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 colorless solution.	
Formulation	
IL 28A protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS VPVARLH GALPDARGCH IAQFKSLSPQ ELQAFKRAKD ALEESLLLKD

CRCHSRLFPR TWDLRQLQVR ERPMALEAEL ALTLKVLEAT ADTDPALVDV LDQPLHTLHH ILSQFRACIQ

PQPTAGPRTR GRLHHWLYRL QEAPKKESPG CLEASVTFNL FRLLTRDLNC VASGDLCV .

Precautions

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

Target Information: (Q8IZJ0)