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32-1506: IL 28A His Recombinant Protein

Alternative Name : Interleukin-28A,IL-28A,IFN-Lambda 2,Interferon-Lambda 2,Cytokine ZCYTO20,IL28A,IFNL2,ZCYTO20.

Description

Source : Escherichia Coli. IL 28A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 198 amino acids (26-200 a.a.) and having a molecular mass of 22.1kDa. IL 28A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	IL 28A protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSVPVARLH GALPDARGCH IAQFKSLSPQ ELQAFKRAKD ALEESLLLKD CRCHSRLFPR TWDLRQLQVR ERPMALEAEL ALTLKVLEAT ADTDPALVDV LDQPLHTLHH ILSQFRACIQ PQPTAGPRTR GRLHHWLYRL QEAPKKESPG CLEASVTFNL FRLLTRDLNC VASGDLCV .

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