

Recombinant Human IL28A

Cat No:HR2R1589

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	IFNL2
Gene ID	282616
Accession	Q8IZJ0
Alternative Name	Cytokine Zcyto20, Interleukin-28A, Interferon lambda-2
Species	Human
Source	E. coli
Description	Interferon lambda-2, also known as Interleukin 28A, is an antiviral cytokine with immunomodulatory activity and is distantly related to the IL-10 family and type I interferons. IL28A along with IL29 and IL28B, are three closely related cytokines that form a cytokine gene cluster that use a distinct receptor system which induces antiviral defence signals. IL28A interacts with a heterodimeric class II cytokine receptor ligand and leads to the activation of the JAK/STAT signalling pathway, which ultimately leads to IFN-stimulated gene (ISG) and MHC class I antigen expression. It also plays a key role in antiviral defence in Toll-like receptors (TLR) and intestinal epithelia.
Functions	The ED50 is 10.0-50.0 ng/mL as determined by an anti-viral assay (using human hepatocellular carcinoma cells infected with EMC virus).
Formulation	Lyophilized from a 0.2 ?m filtered solution in PBS (with BSA as a carrier protein)
Solubility	Lyophilized from a 0.2 ?m filtered solution in PBS (with BSA as a carrier protein)
Appearance	Lyophilized Powder
Molecular Weight	19.5
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.