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Datasheet for ABIN7534319
IL28B Protein (His tag)

Overview

Quantity:	50 µg
Target:	IL28B
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL28B protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human IFN-lambda 3/IL-28B Protein
Sequence:	MTGDCMPVLV LMAAVLTVTG AVPVARLRGA LPDARGCHIA QFKSLSPQEL QAFKRAKDAL EESLLLKDCK CRSRLFPRTW DLRQLQVRER PVALEAELAL TLKVLEATAD TDPALGDVLD QPLHTLHHIL SQRACIQPQ PTAGPRTRGR LHHWLHRLQE APKKESPGCL EASVTFNLFR LLTRDLNCVA SGDL CV
Specificity:	Met1-Val196
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL28B at 2 µg/mL (100 µL/well) can bind Recombinant Human IL10RB with a linear range of 0.25-1 µg/mL.

Target Details

Target:	IL28B
Alternative Name:	IFN-lambda 3/IL-28B (IL28B Products)
Background:	<p>Description: Interleukin-28B (IL-28B) also known as Interferon lambda-3 and IFN-lambda-3, belongs to the type III interferon family of cytokines. IL-28B is a cytokine with immunomodulatory activity. It functions in Up-regulating MHC class I antigen expression. IL-28B displays potent antiviral activity and antitumor activity. This cytokine serves as ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. IL-28B is able to increase the percentage of splenic CD8+ T cells in vaccinated animals and have higher antigen-specific cytolytic .</p> <p>Name: IFNL3,IFN-lambda-3,IFN-lambda-4,IL-28B,IL-28C,IL28B,IL28C</p>
Gene ID:	282617
UniProt:	Q8IZI9

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS,500 mM NaCl, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>