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## Datasheet for ABIN7196532 IL28B Protein (His tag)

### Overview

Quantity:	20 µg
Target:	IL28B
Origin:	Human
Source:	Yeast
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL28B protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IFN-λ3/IL-28B Protein (Yeast, His Tag)(Active)
Sequence:	Val18-Val196
Characteristics:	A DNA sequence encoding the human IFNL3 (NP_742151.2) (Val18-Val196) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Biological Activity Comment:	Measured in antiviral assays using WISH cells infected with vesicular stomatitis virus. The ED50 for this effect is 8-40ng/mL.

### Target Details

Target:	IL28B
Alternative Name:	IFN-lambda3/IL-28B ( <a href="#">IL28B Products</a> )

## Target Details

Background:	<p>Background: Interleukin-28B (IL-28B) also known as Interferon lambda-3 and IFN-lambda-3, belongs to the type III interferon family of cytokines and are highly similar to IL-29. IL-28B belongs to the newly described interferon lambda (IFN<math>\lambda</math>) 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. The ligand/receptor complex seems to signal through the Jak-STAT pathway. IL-28B, like IL-12, is capable of robustly enhancing adaptive immunity. Moreover, we describe for the first time how IL-28B reduces regulatory T-cell populations during DNA vaccination, whereas IL-12 increases this cellular subset. We also show that IL-28B, unlike IL-12, is able to increase the percentage of splenic CD8+ T cells in vaccinated animals, and that these cells are more granular and have higher antigen-specific cytolytic degranulation compared with cells taken from animals that received IL-12 as an adjuvant.</p> <p>Synonym: Interleukin-28B, IL-28B, Cytokine Zcyto22, Interferon Lambda-3, IFN-Lambda-3, Interferon Lambda-4, IFN-Lambda-4, Interleukin-28C, IL-28C, IL28B, IFNL3, IFNL4, IL28C, ZCYTO22</p>
Molecular Weight:	21.3 kDa
NCBI Accession:	<a href="#">NP_742151</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, PH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>