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Datasheet for ABIN7534578  
**IL29 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	IL29
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL29 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IFN-lambda 1/IL-29 Protein
Sequence:	GPVPTSKPTT TGKGCHIGRF KSLSPQELAS FKKARDALEE SLKLNWCS SPVFPGNWDL RLLQVRERPV ALEAELALTL KVLEAAAGPA LEDVLDQPLH TLHHILSQLQ ACIQPQPTAG PRPRGRLHHW LHRLQEAPKK ESAGCLEASV TFNLFRLLTR DLKYVADGNL CLRTSTHPES T
Specificity:	Gly20-Thr200
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered

### Target Details

Target:	IL29
Alternative Name:	IFN-lambda 1/IL-29 ( <a href="#">IL29 Products</a> )
Background:	Description: This protein is also known as cytokine Zcyto21, Interferon lambda-1, IFN-lambda-1, and IFNL1, is a secreted protein which belongs to the IL-28 / IL-29 family. IL-29 is a cytokine

## Target Details

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with immunomodulatory activity. IL-29 is highly similar in amino acid sequence to the IL-28. IL-28 and IL-29 are induced by viral infection and showed antiviral activity. IL-28 and IL-29 interacted with a heterodimeric class II cytokine receptor that consisted of IL-1 receptor beta (IL-1Rbeta) and an orphan class II receptor chain, designated IL-28Ralpha. IL-29 plays an important role in host defenses against microbes and its gene is highly upregulated in cells infected with viruses. IL-29 may play a role in antiviral immunity. IL-29 up-regulates MHC class I antigen expression. It is a Ligand for the heterodimeric class II cytokine receptor composed of IL1RB and IL28RA. The ligand / receptor complex seems to signal through the Jak-STAT pathway.

Name: IFNL1,IL-29,IL29

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Gene ID: 282618

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UniProt: [Q8IU54](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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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.

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Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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Storage: -20 °C,-80 °C

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Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.