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Datasheet for ABIN1691522

**IFNAR2 Protein (AA 27-243) (Fc Tag)**

## Overview

Quantity:	50 µg
Target:	IFNAR2
Protein Characteristics:	AA 27-243
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNAR2 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human Interferon $\alpha/\beta$ Receptor 2/IFNAR2 (C-Fc)
Sequence:	ISYDSPDYTD ESCTFKISLR NFRSILSWEL KNHSIVPTHY TLLYTIMSKP EDLKVVKNCA NTTRSFCDLT DEWRSTHEAY VTVLEGFSGN TTLFSCSHNF WLAIMDSFEP PEFEIVGFTN HINVMVKFPS IVEEELQFDL SLVIEEQSEG IVKKHKPEIK GNMSGNFTYI IDKLIPNTNY CVSVYLEHSD EQAVIKSPLK CTLLPPGQES ESAESAKVDD IEGRMDEPKS CDKTHTCPPC PAPELLGGPS VFLFPPKPKD TLMISRTPEV TCVVVDVSHE DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP APIEKTISKA KGQPREPQVY TLPPSREEMT KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK LTVDKSRWQQ GNVFSCSVMH EALHNHYTQK SLSLSPGK
Characteristics:	Recombinant Human Interferon alpha/beta Receptor 2/IFNAR2 is produced by our mammalian expression system. The target protein is expressed with sequence (Ile27-Lys243) of Human IFNAR2 fused with a FC tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	IFNAR2
Alternative Name:	IFNAR2 ( <a href="#">IFNAR2 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Interferon alpha/beta Receptor 2 (IFN-alpha/beta R2) is a single-pass type I membrane protein which belongs to the type II cytokine receptor family. It complexes with IFN-alpha/beta R1 to form the signaling receptor complex for the family of alpha and beta IFN subtypes. By alternative splicing, IFN-alpha/beta R2 can exist as a secreted soluble protein or as a type I membrane protein. IFN-alpha/beta R2 is the principal ligand binding subunit of the receptor. Ligand binding is stabilized by the subsequent association with IFN-alpha/beta R1, resulting in the formation of a signaling ternary receptor complex. IFNAR2 was detected in most lymphocytes, monocytes, and granulocytes, although IFNAR2 expression was higher in the monocytes and granulocytes than in the lymphocytes. Among the lymphocyte subsets, IFNAR2 showed high expression in natural killer (NK) cells and low expression in T lymphocytes. Isoform 1 and isoform 3 of IFNAR2 are directly involved in signal transduction due to their interaction with the TYR kinase, JAK1. Isoform 1 also interacts with the transcriptional factors, STAT1 and STAT2. Both forms are potent inhibitors of type I IFN activity.</p> <p>Alternative Names: Interferon Alpha/Beta Receptor 2, IFN-R-2, IFN-Alpha Binding Protein, IFN-Alpha/Beta Receptor 2, Interferon Alpha Binding Protein, Type I Interferon Receptor 2, IFNAR2, IFNABR, IFNARB</p>
Molecular Weight:	51.8 kDa
UniProt:	<a href="#">P48551</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Hepatitis C</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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## Handling

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Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	5 months