

## Datasheet for ABIN7318637 **IFNAR2 Protein (His tag)**

[Go to Product page](#)

### Overview

Quantity:	50 µg
Target:	IFNAR2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNAR2 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IFNAR2 Protein (His Tag)
Sequence:	Ile27-Lys243
Characteristics:	Recombinant Human Interferon alpha/beta Receptor 2 is produced by our Mammalian expression system and the target gene encoding Ile27-Lys243 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	IFNAR2
Alternative Name:	IFNAR2 ( <a href="#">IFNAR2 Products</a> )
Background:	Background: Interferon α/β Receptor 2 (IFN-α/β R2) is a single-pass type I membrane protein which belongs to the type II cytokine receptor family. It complexes with IFN-α/β R1 to form the

## Target Details

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.

Synonym: 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

Molecular Weight: 25.8 kDa

UniProt: [P48551](#)

Pathways: [JAK-STAT Signaling, Hepatitis C](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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 < -20°C for 3 months.