

For Research Use Only

# Recombinant Human Interferon alpha/beta receptor 1 protein (Myc Tag, His Tag)

Catalog Number: Eg0156



## Basic Information

**ED50:**

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**Species:**

Human

**Purity:**

>95 %, SDS-PAGE

**GeneID:**

3454

**Accession:**

P17181-1

## Technical Specifications

**Purity:**

>95 %, SDS-PAGE

**Endotoxin Level:**

<1.0 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human Interferon alpha/beta receptor 1 protein Lys28-Lys436 (Accession# P17181-1) with a Myc tag and a His tag at the C-terminus.

**Predicted Molecular Mass:**

52.1 kDa

**SDS-PAGE:**

65-90 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Testing in progress

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Interferon alpha and beta receptor subunit 1 (IFNAR1) is a type I membrane protein that associates with IFNAR2 to form the receptor for type I interferons, including interferons-alpha, -beta, and -lambda. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2, and then increase transcription of the IFN-induced genes whose products exert antiviral, immunomodulatory, and antiproliferative effects.

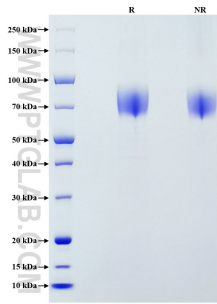
## References

1. G Uzé, et al. (2007) *Curr Top Microbiol Immunol.* 316:71-95.
2. Nicole A de Weerd, et al. (2012) *Immunol Cell Biol.* 90(5):483-91.
3. Peter E Kima. (2014) *Microbes Infect.* 16(9):721-6.

## Synonyms

IFNAR1,AVP,CRF2 1,CRF2-1,Cytokine receptor class-I

## Selected Validation Data



Purity of Recombinant Human Interferon alpha/beta receptor 1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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