

## IFNAR1 Protein, Rhesus macaque, Recombinant (His)

### General Information

Synonyms:	IFN- $\alpha$ 1;CRF2-1;IFN-alpha/beta receptor 1;human interferon- $\alpha$ receptor (HuIFN- $\alpha$ -Rec)10IFRC; $\alpha$ -type antiviral protein;AVP;Cytokine receptor family 2 member 1;IFN-alpha/beta R1;beta-type antiviral protein;IFN- $\alpha$ / $\beta$ receptor 1;IFN- $\alpha$ / $\beta$ R1;Cytokine receptor class-II member 1; $\beta$ -type antiviral protein;human interferon-alpha receptor (HuIFN-alpha-Rec)10IFRC;alpha-type antiviral protein
Protein Construction:	Ala25-Lys437
Species:	Rhesus
Expression Host:	HEK293 Cells
Accession:	A0A7N9D7J0
Molecular Weight:	70-120 KDa (reducing condition)
AA Sequence:	Ala25-Lys437

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ m filter, containing PBS, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100  $\mu$ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Interferon-alpha/beta receptor 1 (IFN- alpha / beta R1), also known as IFNAR1, are present in all tissues and even on the surface of most IFN-resistant cells. Isoform 1, isoform 2 and isoform 3 are expressed in the IFN-alpha

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sensitive myeloma cell line U266B1. Isoform 2 and isoform 3 are expressed in the IFN-alpha resistant myeloma cell line U266R. Isoform 1 is not expressed in IFN-alpha resistant myeloma cell line U266R. It interacts with STAT1 and STAT2, the interaction requires its phosphorylation at Tyr-466. It also interacts with FBXW11, the substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex.

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