

Datasheet for ABIN7320266
IFNAR1 Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	IFNAR1
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IFNAR1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IFNAR1/IFNAR Protein (His Tag)(Active)
Sequence:	Met 1-Thr 429
Characteristics:	A DNA sequence encoding the extracellular domain of mouse IFNAR1 (NP_034638.2) extracellular domain (Met 1-Thr 429) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 96 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to inhibit mIFNB1-mediated protection of L929 mouse fibroblast cells infected with vesicular stomatitis virus (VSV) to viral lysis. The ED50 for this effect is typically 0.2-1 µg/mL.

Target Details

Target:	IFNAR1
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Target Details

Alternative Name: IFNAR1/IFNAR ([IFNAR1 Products](#))

Background: Interferon-alpha/beta receptor alpha chain (IFNAR1) is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The encoded protein also functions as an antiviral factor. Tyk2 slows down IFNAR1 degradation and that this is due, at least in part, to inhibition of IFNAR1 endocytosis. Mutant versions of IFNAR1, in which Tyr466 is changed to phenylalanine, can act in a dominant negative manner to inhibit phosphorylation of STAT2. These observations are consistent with a model in which IFNAR1 mediates the interaction between JAK kinases and the STAT transcription factors.

Synonym: CD118, Ifar, Ifnar, Ifrc, Infar

Molecular Weight: 47 kDa

NCBI Accession: [NP_034638](#)

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

Application Details

Restrictions: For Research Use only

Handling

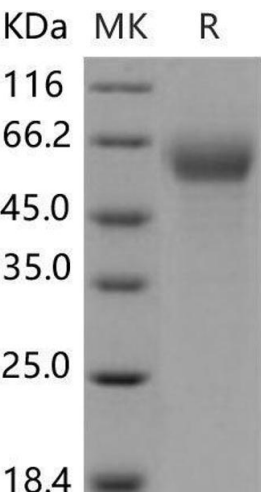
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

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.



Western Blotting

Image 1.