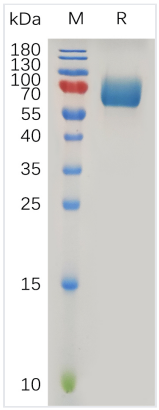
IFNAR2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IFNAR2, Recombinant Protein
Full Product Name	Human IFNAR2 Protein, hFc Tag
Product Gene Name	IFNAR2 recombinant protein
Product Synonym Names	IFN-alpha-REC; IFN-R; IFNABR; IFNARB; IMD45
Sequence	IFNAR2 (Ile27-Arg 515) + hFc (Glu99-Ala 330)
Host	HEK293 cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)
Molecular Weight	515
OMIM	gene 610424
3D Structure	ModBase 3D Structure for P48551
Origin	Human
Reconstitution	Reconstitute with deionized water
Tag	C-Human Fc
Related Product Information for IFNAR2 recombinant protein	The protein encoded by this gene 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. Multiple transcript variants encoding at least two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of IFNAR2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFNAR2 purchase	MBS188454 is a recombinant protein targeting IFNAR2. Also known as Human IFNAR2 Protein, hFc Tag. Host: HEK293 cells.



SDS-Page of IFNAR2 recombinant protein
Figure 1. Human IFNAR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFNAR2. It may not necessarily be applicable to this product.

NCBI GI #	1352466
NCBI GeneID	3455
NCBI Accession #	P48551.1
UniProt Primary Accession #	P48551
UniProt Secondary Accession #	Q15467; Q6FHD7; A8KAJ4; D3DSE8; D3DSE9
UniProt Related Accession #	P48551
NCBI Official Full Name	Interferon alpha/beta receptor 2
NCBI Official Synonym Full Names	interferon (alpha, beta and omega) receptor 2
NCBI Official Symbol	IFNAR2
NCBI Official Synonym Symbols	IFN-R; IFNABR; IFNARB; IFN-alpha-REC
UniProt Protein Name	Interferon alpha/beta receptor 2
UniProt Synonym Protein Names	Interferon alpha binding protein; Type I interferon receptor 2
Protein Family	Interferon alpha/beta receptor
UniProt Gene Name	IFNAR2
UniProt Synonym Gene Names	IFNABR; IFNARB; IFN-R-2; IFN-alpha binding protein; IFN-alpha/beta receptor 2
UniProt Entry Name	INAR2_HUMAN
NCBI Protein Information	interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha/beta receptor 2; type I interferon receptor 2; interferon alpha binding protein; human interferon alpha/beta receptor; interferon-alpha/beta receptor beta chain
UniProt Comments for IFNAR2	IFNAR2: Associates with IFNAR1 to form the type I interferon receptor. Receptor for interferons alpha and beta. Involved in IFN-mediated STAT1, STAT2 and STAT3 activation. Isoform 1 and isoform 2 are directly involved in signal transduction due to their association with the TYR kinase, JAK1. Isoform 3 is a potent inhibitor of type I IFN receptor activity. Belongs to the type II cytokine receptor family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 21q22.11 Cellular Component: extracellular space; integral to plasma membrane; plasma membrane; extracellular region Molecular Function: protein binding; interferon-alpha/beta receptor activity; interferon-alpha/beta binding; protein kinase binding Biological Process: regulation of transcription from RNA polymerase II promoter; cell proliferation; cell surface receptor linked signal transduction; cytokine and chemokine mediated signaling pathway; response to virus; JAK-STAT cascade Disease: Hepatitis B Virus, Susceptibility To
Research Articles on IFNAR2	**1.** Results suggest that oxidative stress play an important role in the regulation of type I interferon receptors IFNAR1 and IFNAR2 in chronic hepatitis B virus (HBV) infection.
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