

Recombinant Human IFNAR1

Cat. No. IFNAR1-28344TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human IFNAR1 with an N terminal proprietary tag; Predicted MWt 87.34 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	557 amino acids
Description	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. The encoded protein also functions as an antiviral factor.
Molecular Weight	87.340kDa inclusive of tags
Tissue specificity	IFN receptors 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 sensitive myeloma cell line U266S. Isoform 2 and isoform 3 are expressed in the IFN-alpha resis
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MMVVLLGATTLLVAVAPWVLSAAAGGKNLSPQKVEVDI IDDNFILRWNRSDSESV GNVTFSDYQKTGMDNWIKLSGCQ NITSTKCNFSSLKLNVEEIKLRIRAEKENTSS WYEVDSE TPFRKAQIGPPEVHLEAEDKAIVIHISPGTKDSVMWALDG LSFTYSLVIW KNSSGVEERIENIYSRHKIYKLSPETTYCL KVKAALLTSWKIGVYSPVHCIKTTVENEL PPPENIEVSVQ NQNYVLKWDYTYANMTFQVQWLHAFLKRNPNGNHLKYWKQI PDC ENVKTTQCVFPQNVFQKGIYLLRVQASDGNNTSFWS EIKFDTEIQAFLLPPVFNIRS LSDSFHIYIGAPKQSGNTP VIQDYPLIYEIIFWENTSNAERKIEKKTDTVTPNLKPLT V YCVKARAHTMDEKLNKSSVFSDAVCEKTKPGNTSKIWLI VGICIALFALPFVIYAAKVF LRCINYVFFPSLKPSSSIDE YFSEQPLKNLLLSTSEEQIEKCFIENISTATVEETNQT DEDHKKYSSQTSQDSGNYSNEDESESKTSEELQQDFV
Sequence Similarities	Belongs to the type II cytokine receptor family.Contains 3 fibronectin type-III domains.

GENE INFORMATION

Gene Name	IFNAR1 interferon (alpha, beta and omega) receptor 1 [Homo sapiens]
Official Symbol	IFNAR1
Synonyms	IFNAR1; interferon (alpha, beta and omega) receptor 1; IFNAR; interferon alpha/beta receptor 1; IFRC;
Gene ID	3454
mRNA Refseq	NM_000629

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Protein Refseq	NP_000620
MIM	107450
Uniprot ID	P17181
Chromosome Location	21q22.1
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem; Hepatitis C, organism-specific biosystem;
Function	receptor activity; type I interferon receptor activity;

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