

Recombinant Human IFNAR2, His-tagged

Cat. No. IFNAR2-27987TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 24-188 of Human IFNAR2 with His tag produced in the endosperm tissue of barley grain ; 166 amino acids , 21.5 kDa.
Species	Human
ProteinLength	24-188 a.a.
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. Multiple transcript variants encoding at least two different isoforms have been found for this gene.
Conjugation	HIS
Tissue specificity	Isoform 3 is detected in the urine (at protein level). Expressed in blood cells. Expressed in lymphoblastoid and fibrosarcoma cell lines.
Biological activity	Bioactivity:Bioactivity is assayed by measuring the dose dependent cytotoxicity of human IFN-alpha-2a on TF-1 in the presence of IL4. The ED50 was determined to be 0,108 ng/mg, corresponding to specific activity of 9.26x10 ⁶ U/mg.IFNAR2-27987TH carries no
Form	Lyophilised:It is recommended to reconstitute the lyophilized protein in sterile

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	phosphate-buffered saline to a concentration of no less than 100 µg/ml. For long term storage of the reconstituted solution it is recommended to add a carrier protein (0.1% H
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Belongs to the type II cytokine receptor family.

GENE INFORMATION

Gene Name	IFNAR2 interferon (alpha, beta and omega) receptor 2 [Homo sapiens]
Official Symbol	IFNAR2
Synonyms	IFNAR2; interferon (alpha, beta and omega) receptor 2; IFNABR; interferon alpha/beta receptor 2;
Gene ID	3455
mRNA Refseq	NM_000874
Protein Refseq	NP_000865
MIM	602376

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Uniprot ID	P48551
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	protein binding; protein kinase binding; receptor activity; type I interferon binding; type I interferon receptor activity;

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