

Recombinant Human IFNAR1 protein, Fc-tagged

Cat. No. IFNAR1-188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNAR1 (Lys28-Lys436) protein was fused to human IgG1 Fc tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Lys28-Lys436
Description	Interferon alpha/beta receptor 1 (IFNAR1) is also known as Cytokine receptor class-II member 1, Cytokine receptor family 2 member 1 (CRF2-1), Type I interferon receptor 1, IFNAR, which belongs to the type II cytokine receptor family. IFNAR1/IFNAR contains four fibronectin type-III domains. IFNAR1 associates with IFNAR2 to form the type I interferon receptor. IFNAR1 is receptor for interferons alpha and beta. IFNAR1 can transduce IFNB signals without the help of IFNAR2, and not activating the Jak-STAT pathway.
Predicted N Terminal	Lys28
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 73.8 kDa. The protein migrates as 110-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>85% (rh IFNAR1 /IFNAR Fc Chimera) and 13% (Human IgG1 Fc fragment) as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNAR1
Official Symbol	IFNAR1
Synonyms	IFNAR1; interferon (alpha, beta and omega) receptor 1; IFNAR; interferon alpha/beta receptor 1; IFRC; CRF2-1; IFN-R-1; IFN-alpha/beta receptor 1; interferon-beta receptor 1; beta-type antiviral protein; alpha-type antiviral protein; type I interferon receptor 1; cytokine receptor class-II member 1; cytokine receptor family 2 member 1; interferon-alpha/beta receptor alpha chain; AVP; IFNBR; IFN-alpha-REC
Gene ID	3454
mRNA Refseq	NM_000629

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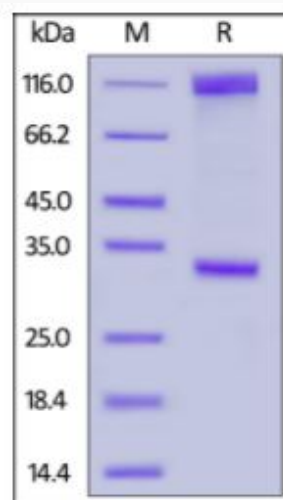
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Protein Refseq NP_000620

MIM 107450

UniProt ID P17181

**SDS-PAGE of
IFNAR1-188H**



Human IFN-alpha/beta R1, Fc Tag on SDS-PAGE under reducing (R) condition.
The gel was stained overnight with Coomassie Blue. The purity of the protein is 85%
of rh IFNAR1 /IFNAR and 13% of Human IgG1 Fc fragment.

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