

Active Recombinant Human IFNAR2 protein(Met1-Lys243), hFc-tagged

Cat. No. IFNAR2-157H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNAR2 protein(NP_997468.1)(Met1-Lys243), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys243
similar	IFNAR2
Alias	IFNAR2; interferon (alpha, beta and omega) receptor 2; IFNABR; interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha binding protein; 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; IFN-R; IFNARB; IFN-alpha-REC;
Conjugate	C-hFc
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bioactivity	1. Measured by its ability to inhibit rh IFN β mediated protection of WISH Human amnion cells infected with vesicular stomatitis virus (VSV) to viral lysis. The EC50

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	for this effect is typically 0.2-1.2 µg/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized PPICZa-IFNA2 at 10 µg/mL (100 µL/well) can bind IFNaR2-Fc, the EC50 of IFNaR2-Fc is 60-200 ng/mL.
MolecularMass	The recombinant human IFNAR2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 458 amino acids and predicts a molecular mass of 51.8 kDa. As a result of glycosylation, the apparent molecular mass of rh IFNAR2/Fc monomer is approximately 65-75 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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.
GeneName	IFNAR2 interferon (alpha, beta and omega) receptor 2 [Homo sapiens]
GeneNameWeblink	3455
OfficialSymbol	IFNAR2
OfficialSymbolWeblink	3455
GenelD	3455
GenelDWeblink	3455

mRNARefseq	NM_000874
mRNARefseqWeblink	NM_000874.3
ProteinRefseqWeblink	NP_000865.2
MIMWeblink	602376
UniProtID	P48551
UniProtIDWeblink	P48551

GENE INFORMATION

Synonyms	IFNAR2; interferon (alpha, beta and omega) receptor 2; IFNABR; interferon alpha/beta receptor 2; IFN-R-2; IFN-alpha binding protein; 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; IFN-R; IFNARB; IFN-alpha-REC;
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