

Active Recombinant Mouse IFNAR2 protein, His-tagged

Cat. No. IFNAR2-0238M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IFNAR2 protein(Ser22-Ala242), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	22-242 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Loaded Mouse IFN-alpha / beta R2, His Tag on NTA Biosensor, can bind Human IFN-alpha 2b (K46R), Fc Tag with an affinity constant of 1.9 µM as determined in BLI assay (ForteBio Octet Red96e). Mouse IFN-alpha / beta R2, His Tag immobilized on CM5 Chip can bind Mouse IFN-alpha 1, His Tag with an affinity constant of 0.109 µM as determined in a SPR assay (Biacore 8K).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.6 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser22-Ala242
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C 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	Ifnar2 interferon (alpha and beta) receptor 2 [Mus musculus]
Official Symbol	IFNAR2
Synonyms	IFNAR2; interferon (alpha and beta) receptor 2; interferon alpha/beta receptor 2; IFN-R-2; interferon receptor 2c; IFN-alpha/beta receptor 2; type I interferon receptor 2; interferon-alpha/beta receptor 2; type I interferon alpha/beta receptor 2a; Ifnar-2; AI747302;
Gene ID	15976
mRNA Refseq	NM_001110498
Protein Refseq	NP_001103968

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