

Active Recombinant Human IFNGR1 Protein, His-tagged

Cat. No. IFNGR1-71H Lot. No. (See product label)

SPECIFICATION

Product Overview	IFN γ R1 protein dimer contains IFN γ R1 2 extracellular domains with a homodimer motif and a His tag at the C-terminus.
Species	Human
Source	HEK293T
ProteinLength	18-245 aa
Description	Interferon gamma receptor 1 (IFN γ R1), also known as CD119, IMD27A and IMD27B, is a subunit of interferon gamma receptor (IFN γ R). IFN γ R belongs to the type II cytokine receptor family. IFN γ R1 is a type I integral membrane glycoprotein containing extracellular, transmembrane and intracellular domains. The extracellular domain has two immunoglobulin-like (Ig-like) C2-type domains. The interferon gamma (IFN γ) dimer interacts with two IFN γ R1 molecules to activate the cascade signaling pathway.
Molecular Mass	98 kDa
Homodimer/Heterodimer	Homodimer
Purity	>90% dimer form as determined by SDS PAGE under non-reducing conditions.
Application	Verified Applications: ELISA for IFN γ R1-specific antibody and IFN γ cytokine ligand protein binding assays. Suggested Applications: SPR & BLI for

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	IFN γ R1-specific antibody and IFN γ cytokine ligand protein binding assays. Animal immunization, RUO.
Storage	At -80 centigrade
Storage Buffer	0.22 μ m filtered PBS, pH 7.4
Shipping	Frozen Dry Ice

GENE INFORMATION

Gene ID	3459
Gene Name	IFNGR1 interferon gamma receptor 1 [Homo sapiens (human)]
Official Symbol	3459
Synonyms	IFNGR1; interferon gamma receptor 1; IFNGR; CD119; CDw119; AVP, type 2; IFN-gamma-R1; CD119 antigen; IFN-gamma receptor 1; antiviral protein, type 2; immune interferon receptor 1; interferon-gamma receptor alpha chain; FLJ45734;
mRNA Refseq	NM_000416
Official Symbol 2	IFNGR1
Gene ID 2	3459
Gene Name 2	IFNGR1 interferon gamma receptor 1 [Homo sapiens (human)]
mRNA Refseq 2	NM_000416

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Protein Refseq 2	NP_000407
MIM 2	107470
UniProt ID 2	P15260
Bioactivity-Antibody Binding	Immobilized human IFN γ R1 dimer protein at 2 μ g/mL (100 μ L/well) can bind anti-human IFN γ R1 monoclonal antibody with EC50 range of 9.2-36.9 ng/mL (QC tested).
Bioactivity-Ligand Binding	Immobilized human IFN γ protein at 2 μ g/mL (100 μ L/well) can bind IFN γ R1 dimer protein with EC50 range of 0.95-3.8 ng/mL (QC tested).
SDS-PAGE	

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