Recombinant Human IFNGR1 protein, Fc-tagged

Cat. No. IFNGR1-381H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IFNGR1 protein (Glu18-Gly245), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	228
Description	Interferon gamma receptor 1 (IFNGR1) is also known as CD antigen CD119, which belongs to the type II cytokine receptor family. IFNGR1 contains two fibronectin type-III domains and two Ig-like C2-type (immunoglobulin-like) domains. IFNGR1/CD119 is receptor for interferon gamma. Two receptors bind one interferon gamma (IFNG) dimer.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 52.4 kDa. The protein migrates as 60-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade 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℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IFNGR1
Official Symbol	IFNGR1
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
Gene ID	3459
mRNA Refseq	NM_000416
Protein Refseq	NP_000407
MIM	107470
UniProt ID	P15260

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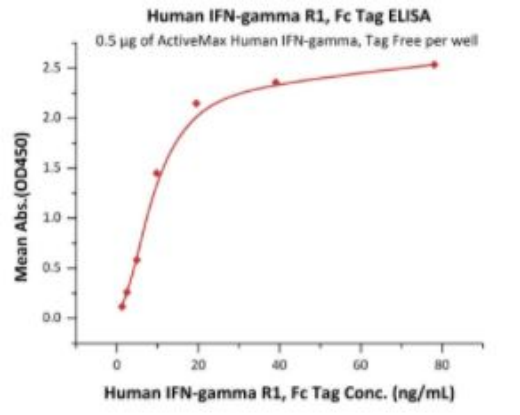
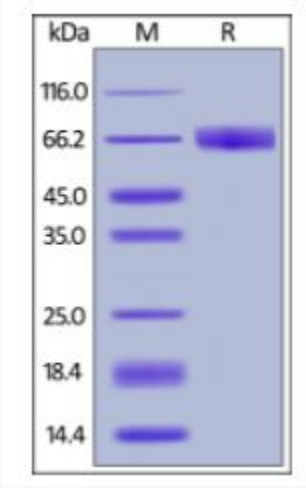
Bioactivity-ELISA of IFNGR1-381H	 Immobilized Human IFN-gamma, Tag Free at 5 μg/mL (100 μL/well) can bind Human IFN-gamma R1, Fc Tag with a linear range of 1-10 ng/mL (QC tested).
SDS-PAGE of IFNGR1-381H	 Human IFN-gamma R1, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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