

Recombinant Human Interferon Gamma Receptor 1

Cat. No. IFNGR1-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	IFN- γ receptor ligand-binding chain (IFN γ R1) or IFN- γ R α chain, also known CDw119, is member of the class II cytokine receptor family. The IFN- γ receptor is a complex of a high affinity IFN- γ -binding chain (aka, IFN- γ R α chain) and a second accessory protein required for signal transduction known as IFN- γ R β chain. Binding of IFN- γ induces receptor dimerization and internalization. Signal transduction involves Jak1 and Jak2 protein kinases and involves STAT1 activation. The IFN- γ receptor is expressed at moderate levels on virtually every cell with the exception of erythrocytes.
Molecular Weight	The predicted molecular weight of Recombinant Human IFN- γ R1 is Mr 25 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 40-50 kDa.
State Of Matter	Lyophilized.
Purity	> 95% by SDS Page and analyzed by silver stain.
Endotoxin	< 1.0 EU/g as determined by the LAL method.

 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

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

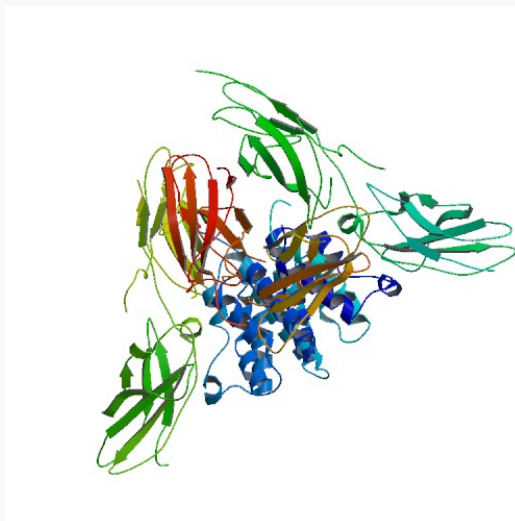
Gene Name	IFNGR1 interferon gamma receptor 1 [Homo sapiens]
Synonyms	IFNGR1; interferon gamma receptor 1; CD119; IFNGR; FLJ45734; AVP, type 2; CD119 antigen; immune interferon receptor 1; interferon-gamma receptor alpha chain; IFN-gamma-R1; OTTHUMP00000017285; interferon gamma receptor 1
Gene ID	3459
mRNA Refseq	NM_000416
Protein Refseq	NP_000407
UniProt ID	P15260
Chromosome Location	6q23-q24
MIM	107470
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Natural killer cell mediated cytotoxicity
Function	cytokine binding; interferon-gamma receptor activity; receptor activity

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