

## Active Recombinant Human IFNGR2 Protein

Cat. No. IFNGR2-265I Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IFNGR2 Protein without tag was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	28-247 aa
<b>Description</b>	IFN-gamma Receptor II, also known as IFNGR2 and IFNGT1, is a transmembrane protein belonging to the type II cytokine receptor family. IFNGR2 is a non-ligand-binding beta chain of the IFN-gamma receptor. It is an integral part of the IFN-gamma signaling transduction pathway and is likely to interact with GAF, JAK1 and JAK2. Defects in IFNGR2 are a cause of autosomal recessive Mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 0.1 µg/mL, measured in a cell cytotoxicity assay using HT-29 (HTB-38) cells in the presence of 1 ng/mL human IFN-gamma.
<b>Molecular Mass</b>	38-40 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	SQLPAPQHHPKIRLYNAEQVLSWEPVALSNSTRPVVYQVQFKYTDSKWFTADIMSIGV NCTQITATECDFTAASPSAGFPMDFNVTLRRLRAELGALHSAWVTMPWFQHYRNVTV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GPPENIEVTPGEGSLIIRFSSPFDIADTSTAFFCYVHYWEKGGIQQVKGPFRRNSISL  
DNLKPSRVYCLQVQAQLLWNKSNIFRVGHLSNISCYETMADASTELQQ

**Endotoxin** < 0.2 EU/μg, determined by LAL method.

**Purity** > 95% as analyzed by SDS-PAGE.

**Storage** Lyophilized recombinant Human IFN-gamma Receptor II remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, Human IFN-gamma Receptor II should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.

**Storage Buffer** Lyophilized after extensive dialysis against PBS.

**Reconstitution** Reconstituted in ddH<sub>2</sub>O or PBS at 100 μg/mL.

## GENE INFORMATION

**Gene Name** IFNGR2 interferon gamma receptor 2 [ Homo sapiens (human) ]

**Official Symbol** IFNGR2

**Synonyms** IFNGR2; interferon gamma receptor 2; AF-1; IFGR2; IMD28; IFNGT1;

**Gene ID** 3460

**mRNA Refseq** NM\_005534

**Protein Refseq** NP\_005525

**MIM** 147569

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