

Active Recombinant Human IFNGR2 Protein

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

SPECIFICATION

Product Overview	Recombinant Human IFNGR2 Protein without tag was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	28-247 aa
Description	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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	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.
Molecular Mass	38-40 kDa, observed by reducing SDS-PAGE.
AA Sequence	SQLPAPQHHPKIRLYNAEQVLSWEPVALSNSTRPVVYQVQFKYTDSKWFTADIMSIGV NCTQITATECDFTAASPSAGFPMDFNVTLRLRAELGALHSAWVTMPWFQHYRNVTV

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	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 ₂ 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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UniProt ID

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