

DATASHEET
Version 20181206**IFN- γ R II, Human****Cat. No.:** Z03135-50**Size:** 50.0 μ g**Synonyms:** IFNGR2, IFNGT1**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.

Amino Acid Sequence:

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00001 SQLPAPQHPK IRLYNAEQVL SWEPVALSNS TRPVVYQVQF
00041 KYTDSKWFTA DIMSIGVNCT QITATECDFT AASPSAGFPM
00081 DFNVTLLRLRA ELGALHSAWV TMPWFQHYRN VTVGPPENIE
00121 VTPGEGSLII RFSSPFDIAD TSTAFFCYV HYWEKGGIQQ
00161 VKGPFRSNSI SLDNLKPSRV YCLQVQAQLL WNKSNI FRVG
00201 HLSNISCYET MADASTELQQ
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Source: CHO**Species:** Human**Biological Activity:** ED₅₀ < 0.1 μ g/ml, measured in a cell cytotoxicity assay using HT-29 (HTB-38) cells in the presence of 1ng/ml human IFN-gamma.**Molecular Weight:** 38-40 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH₂O or PBS at 100 μ g/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**Endotoxin Level:** < 0.2 EU/ μ g, determined by LAL method.**Storage:** Lyophilized recombinant Human IFN-gamma Receptor II remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human IFN-gamma Receptor II should be stable up to 1 week at 4°C or up to 2 months at -20°C.