

## IFN- $\gamma$ R II, Human

**Cat. No.:** Z03135-10

**Size:** 10.0  $\mu$ 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 TSTAFFCYIV HYWEKGGIQQ
00161 VKGPFRSNSI SLDNLKPSRV YCLQVQAQLL WNKSNIFRVG
00201 HLSNISCYET MADASTELQQ
```

**Source:** CHO

**Species:** Human

**Biological Activity:** ED<sub>50</sub> < 0.1  $\mu$ 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 ddH<sub>2</sub>O or PBS at 100  $\mu$ g/ml.

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

**Endotoxin Level:** < 0.2 EU/ $\mu$ 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.