

## IFN-gamma Receptor II (IFN- $\gamma$ R II), Human

**Cat.no.** PK0167

**Product size:** 10ug 50ug 1mg

**Source:** CHO

**Species:** Human

**Biological Activity:** ED50 < 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.

**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:**

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

**Synonyms:** Interferon gamma receptor 2, IFN-gamma receptor 2, IFN-gamma-R2, Interferon gamma receptor accessory factor 1, AF-1, AF1, Interferon gamma receptor beta-chain, IFN-gamma-R-beta, Interferon gamma transducer 1, IFNGR2, IFNGT1, IFN $\gamma$ R2, IFN $\gamma$ -R2, IFN $\gamma$  R2

**Note:** For research use only, not for use in diagnostic procedure.