HUMAN IFNGR1 PROTEIN, HFC TAG

Cat.#: 11738

Product Name: Human IFNGR1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: IFN-gamma-R1;CDw119;CD119

Target: IFNGR1

UNIPROT ID: P15260

Description: Recombinant human IFNGR1 protein with C-terminal human Fc tag

Background: This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. A genetic variation in IFNGR1 is associated with susceptibility to Helicobacter pylori infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 51.9 kDa after removal of the signal peptide. The apparent molecular mass of IFNGR1-hFc is approximately 55-100 kDa due to glycosylation.

Molecular Characterization: IFNGR1(Glu18-Gly245) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

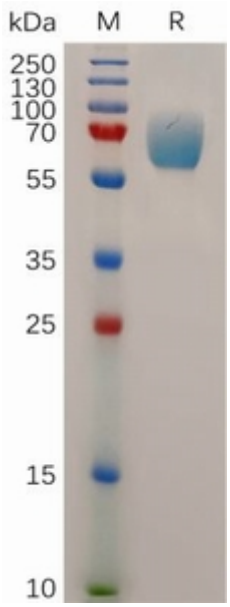

Figure 1. Human IFNGR1 Protein, hFc Tag on SDS-PAGE under reducing condition.