

HUMAN IL2RG PROTEIN, HFC TAG

Cat.#: 11744

Product Name: Human IL2RG Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD132;CIDX;IL-2RG;IMD4;P64;SCIDX;SCIDX1

Target: IL2RG

UNIPROT ID: P31785

Description: Recombinant human IL2RG protein with C-terminal human Fc tag

Background: The protein encoded by this gene is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in this gene cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder. [provided by RefSeq, Mar 2010]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 53.5 kDa after removal of the signal peptide. The apparent molecular mass of IL2RG-hFc is approximately 70-100 kDa due to glycosylation.

Molecular Characterization: IL2RG(Leu23-Asn254) 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.

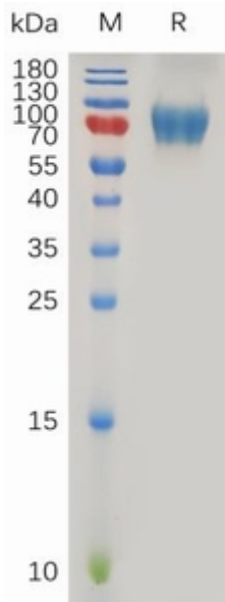


Figure 1. Human IL2RG Protein, hFc Tag on SDS-PAGE under reducing condition.