

**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.

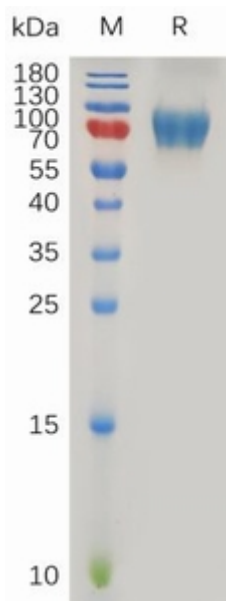


Figure 1. Human IL2RG Protein, hFc Tag on SDS-PAGE under reducing condition.