

HUMAN IL11RA PROTEIN, HFC TAG**Cat.#:** 11377**Product Name:** Human IL11RA Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** IL-11 R alpha;L-11 RA;L11RA;nterleukin-11 receptor subunit alpha;L-11 receptor subunit alpha;L-11R subunit alpha;L-11R-alpha**Target:** IL11RA**UNIPROT ID:** Q14626**Description:** Recombinant Human IL11RA with C-terminal human Fc tag**Background:** Interleukin 11 is a stromal cell-derived cytokine that belongs to a family of pleiotropic and redundant cytokines that use the gp130 transducing subunit in their high affinity receptors. This gene encodes the IL-11 receptor, which is a member of the hematopoietic cytokine receptor family. This particular receptor is very similar to ciliary neurotrophic factor, since both contain an extracellular region with a 2-domain structure composed of an immunoglobulin-like domain and a cytokine receptor-like domain. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL11RA-hFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** IL11RA(Ser24-Ala370) 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.

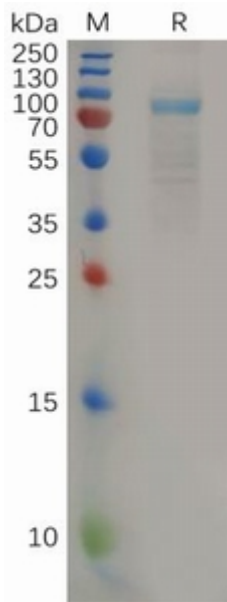


Figure 1. Human IL11RA Protein, hFc Tag on SDS-PAGE under reducing condition.