

HUMAN IL1RA PROTEIN, HFC TAG**Cat.#:** 11656**Product Name:** Human IL1RA Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD121A;D2S1473;IL-1R-alpha;IL1R;IL1RA;P80**Target:** IL1RA**UNIPROT ID:** P14778**Description:** Recombinant Human IL1RA Protein with C-terminal human Fc tag**Background:** This gene encodes a cytokine receptor that belongs to the interleukin-1 receptor family. The encoded protein is a receptor for interleukin-1 alpha, interleukin-1 beta, and interleukin-1 receptor antagonist. It is an important mediator involved in many cytokine-induced immune and inflammatory responses. This gene is located in a cluster of related cytokine receptor genes on chromosome 2q12. [provided by RefSeq, Dec 2013]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 62.3 kDa after removal of the signal peptide. The apparent molecular mass of IL1RA-hFc is approximately 55-70 kDa due to glycosylation.**Molecular Characterization:** IL1RA(Leu18-Thr332) 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 IL1RA Protein, hFc Tag on SDS-PAGE under reducing condition.