

HUMAN PRLR PROTEIN, HFC TAG**Cat.#:** 11538**Product Name:** Human PRLR Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Prolactin receptor;PRL-R**Target:** PRLR**UNIPROT ID:** P16471**Description:** Recombinant human PRLR protein with C-terminal human Fc tag**Background:** This gene encodes a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer. [provided by RefSeq, Feb 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 50.5 kDa after removal of the signal peptide. The apparent molecular mass of PRLR-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** PRLR(Gln25–Asp234) 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 PRLR Protein, hFc Tag on SDS-PAGE under reducing condition.