

HUMAN CD147 PROTEIN, HFC TAG**Cat.#:** 11596**Product Name:** Human CD147 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Basigin;SG;F7;D147;MMPRIN;6;K;CSF**Target:** CD147**UNIPROT ID:** P35613**Description:** Recombinant Human CD147 Protein with C-terminal human Fc tag**Background:** The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2020]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 46.3 kDa after removal of the signal peptide. The apparent molecular mass of CD147-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** CD147(Gly140–Ala323) 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 CD147 Protein, hFc Tag on SDS-PAGE under reducing condition.