

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.

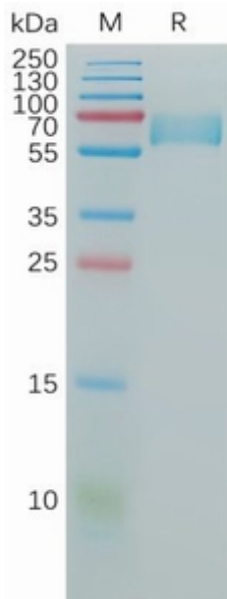


Figure 1. Human CD147 Protein, hFc Tag on SDS-PAGE under reducing condition.