

**HUMAN LAMP5 PROTEIN, HFC TAG****Cat.#:** 11581**Product Name:** Human LAMP5 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** LAMP-5;BAD-LAMP;C20orf103**Target:** LAMP5**UNIPROT ID:** Q9UJQ1**Description:** Recombinant human LAMP5 protein with C-terminal human Fc tag**Background:** Plays a role in short-term synaptic plasticity in a subset of GABAergic neurons in the brain.[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 49.2 kDa after removal of the signal peptide. The apparent molecular mass of LAMP5-hFc is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** LAMP5(Glu30–Glu235) 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.

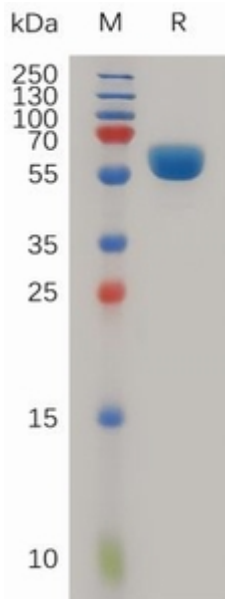


Figure 1. Human LAMP5 Protein, hFc Tag on SDS-PAGE under reducing condition.