

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.

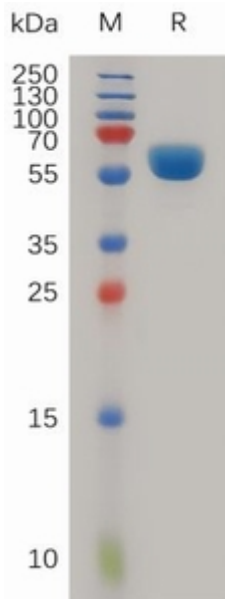


Figure 1. Human LAMP5 Protein, hFc Tag on SDS-PAGE under reducing condition.