

**HUMAN LAMP PROTEIN, HFC TAG****Cat.#:** 11700**Product Name:** Human LAMP Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD208;DC-LAMP;DC LAMP;DCLAMP;LAMP;LAMP-3;TSC403**Target:** LAMP**UNIPROT ID:** Q13449**Description:** Recombinant human LAMP protein with C-terminal human Fc tag**Background:** Dendritic cells (DCs) are the most potent antigen-presenting cells. Immature DCs efficiently capture antigens and differentiate into interdigitating dendritic cells (IDCs) in lymphoid tissues that induce primary T-cell responses (summary by de Saint-Vis et al., 1998 [PubMed 9768752]). [supplied by OMIM, Dec 2010]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 45.9 kDa after removal of the signal peptide.**Molecular Characterization:** LAMP(Val29-Asn315) 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.