HUMAN CLDN3(144-156) PROTEIN, HFC TAG

Cat.#: 11842

Product Name: Human CLDN3(144-156) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: C7orf1;CPE-R2;CPETR2;HRVP1;RVP1

Target: CLDN3

UNIPROT ID: O15551

Description: Recombinant Human CLDN3(144-156) Protein with C-terminal human Fc tag

Background: Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. It is also a low-affinity receptor for Clostridium perfringens enterotoxin, and shares aa sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 27.7 kDa after removal of the signal peptide. The apparent molecular mass of CLDN3(144-156)-hFc is approximately 25-35 kDa due to glycosylation.

Molecular Characterization: CLDN3(Arg144-Lys156) 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.

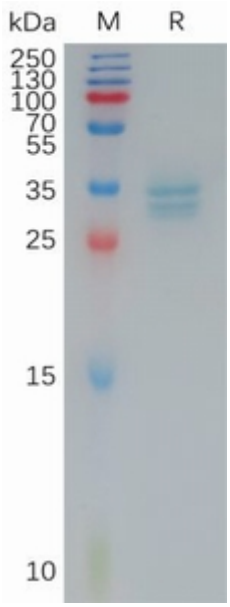

Figure 1. Human CLDN3(144-156) Protein, hFc Tag on SDS-PAGE under reducing condition.