HUMAN CLDN2 PROTEIN, HFC TAG

Cat.#: 11570

Product Name: Human CLDN2 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: Claudin-2;SP82

Target: CLDN2

UNIPROT ID: P57739

Description: Recombinant human CLDN2 protein with C-terminal human Fc tag

Background: This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 31.4 kDa after removal of the signal peptide. The apparent molecular mass of CLDN2-hFc is approximately 25-35 kDa due to glycosylation.

Molecular Characterization: CLDN2(Ser29-Gln78) 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.

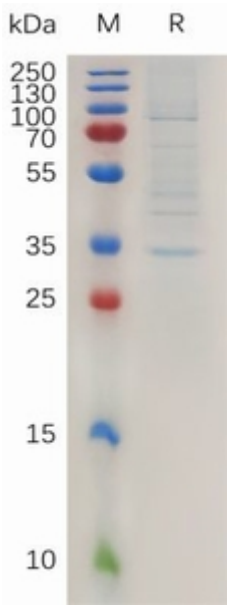

Figure 1. Human CLDN2 Protein, hFc Tag on SDS-PAGE under reducing condition.