

PRODUCT INFORMATION

CLDN3 **Target**

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

Recombinant human CLDN3 protein with C-Description

terminal human Fc tag

Delivery In Stock **Uniprot ID** 015551 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

CLDN3(Arg30-Arg80) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

31.8 kDa after removal of the signal peptide. The **Molecular Weight** apparent molecular mass of CLDN3-hFc is approximately 35-40 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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,

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and shares as sequence similarity with a putative apoptosis-related protein found in rat. [provided by RefSeq, Jul 2008]

Research use only Usage

Conjugate Unconjugated



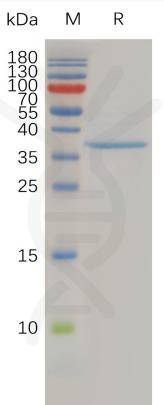


Figure 1. Human CLDN3 Protein, hFc Tag on SDS-PAGE under reducing condition.



