

PRODUCT INFORMATION

CLDN5 **Target**

Synonyms Claudin-5;TMDVCF;AWAL;TMVCF

Recombinant human CLDN5 protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** 000501 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Purity

Background

CLDN5(Met29-Arg81) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 32.1 kDa after removal of the signal peptide. The

Molecular Weight apparent molecular mass of CLDN5-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

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.

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Mutations in this gene

have been found in patients with velocardiofacial syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2018]

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Usage Research use only

Unconjugated Conjugate







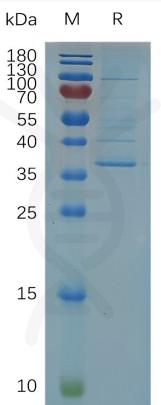


Figure 1. Human CLDN5 Protein, hFc Tag on SDS-PAGE under reducing condition.



