**Description** 



## **PRODUCT INFORMATION**

CLDN4 **Target** 

**Synonyms** CPE-R;CPETR;CPETR1;hCPE-R;WBSCR8 Recombinant human CLDN4(145-157) Protein

with C-terminal mouse Fc tag

**Delivery** In Stock **Uniprot ID** 014493 **Expression Host** HFK293

Tag C-mouse Fc Tag

Molecular

Storage & Shipping

**Background** 

CLDN4(Gln145-Lys157) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of

27.7 kDa after removal of the signal peptide. The apparent molecular mass of CLDN4(145-157)-mFc **Molecular Weight** 

is approximately 25-35 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 % Formulation &

 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis 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

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this intronless gene belongs to the claudin family. Claudins are

integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-

Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq, Sep 2013]

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**Usage** Research use only Unconjugated Conjugate

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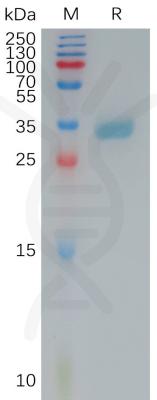


Figure 1. Human CLDN4(145-157) Protein, mFc Tag on SDS-PAGE under reducing condition.

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