

PRODUCT INFORMATION

CDH17 **Target**

Synonyms CDH16; HPT-1; HPT1

Recombinant human CDH17(567-667) Protein Description

with C-terminal mouse Fc tag

Delivery In Stock **Uniprot ID** Q12864 **Expression Host HEK293**

Tag C-mouse Fc tag

Molecular

Background

CDH17(Ser567-Leu667) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of **Molecular Weight**

37.1 kDa after removal of the signal peptide. The apparent molecular mass of CDH17(567-667)-mFc is approximately 35-55 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.

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 is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal

tract and pancreatic ducts, acting as an intestinal

proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization

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of liver and intestine. Alternative splicing results in multiple transcript variants. [provided by

RefSeq, Jan 2009]

Usage Research use only

Conjugate Unconjugated



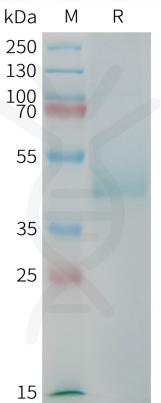


Figure 1. Human CDH17(567-667) Protein, mFc Tag on SDS-PAGE under reducing condition.

Human CDH17(567-667), mFc Tagged protein ELISA

 $0.2~\mu g$ of Human CDH17(567-667), mFc tagged protein per well

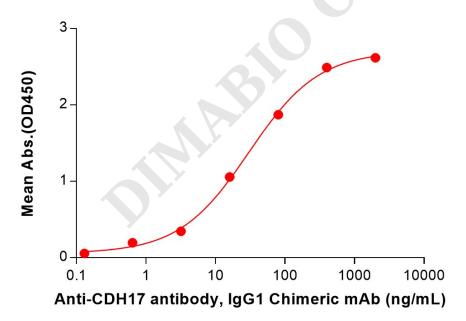


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human CDH17(567-667) Protein, mFc Tag (PME101384) can bind Anti-CDH17 antibody, IgG1 Chimeric mAb in a linear range of 3.20–400 ng/mL.

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