

# **Recombinant Human CDH17/LI-cadherin Protein**

Catalog No.: RP00108 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 1015 012864

**Tags** 

C-His

**Synonyms** 

CDH16; HPT-1; HPT1; CDH17; HPT-1; HPT1

## **Product Information**

**Source** Purification HEK293 cells ≥ 90 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

85.82 kDa 105-115 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu g$  of the protein by LAL method.

#### Formulation

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## **Contact**

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## **Background**

This protein 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 of liver and intestine. Alternative splicing results in multiple transcript variants.

## **Basic Information**

## **Description**

Recombinant Human CDH17/LI-cadherin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln23-Met787) of human Cadherin-17/LI-cadherin/CDH17 (Accession #NP\_001138135.1) fused with a 6×His tag at the C-terminus.

#### **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized Human CDH17 at  $1\mu g/mL$  (100  $\mu L/well$ ) can bind anti Human CDH17 antibody with a linear range of 0.01-20 ng/mL.

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

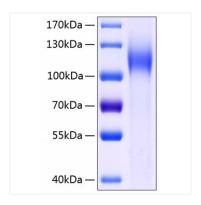
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

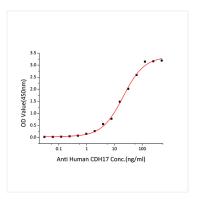
#### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human CDH17/Ll-cadherin Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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