

# Recombinant Human CDH17/LI-cadherin Protein

Catalog No.: RP00108 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	1015	Q12864

### Tags

C-His

### Synonyms

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

## Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

### Endotoxin

&lt; 0.1 EU/μg 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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 1μg/mL (100 μL/well) can bind anti Human CDH17 antibody with a linear range of 0.01-20ng/mL.


### 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.

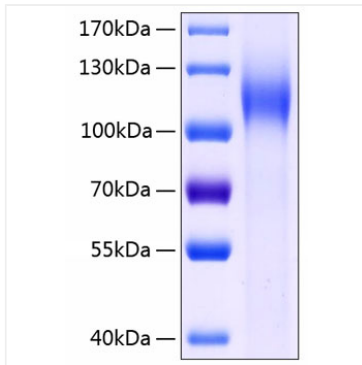
Avoid repeated freeze/thaw cycles.

## Contact

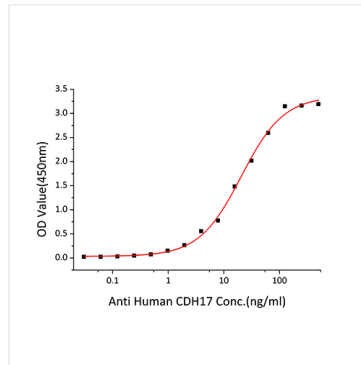
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## Validation Data

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Recombinant Human CDH17/L1-cadherin Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 105-115 kDa.



Immobilized Human CDH17 at 1 $\mu$ g/mL (100  $\mu$ L/well) can bind anti Human CDH17 antibody with a linear range of 0.01-20ng/mL.