



### Synonym

Cadherin-17, CDH17, HPT-1, LI-cadherin

### Source

Human Cadherin-17 Protein, Fc Tag (CA7-H5258) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Met 787 (Accession # [Q12864-1](#)).

Predicted N-terminus: Gln 23

### Molecular Characterization

Cadherin-17(Gln 23 - Met 787) Q12864-1	Fc(Pro 100 - Lys 330) P01857
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 111.4 kDa. The protein migrates as 43-95 kDa and 130-150 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>90% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 µm filtered solution in 20 mM Tris, 150 mM NaCl, pH8.0 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

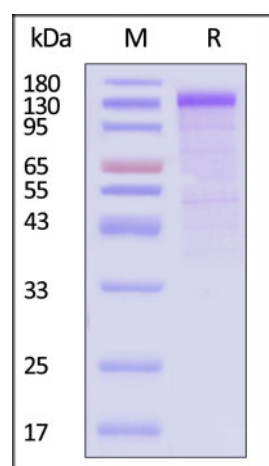
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

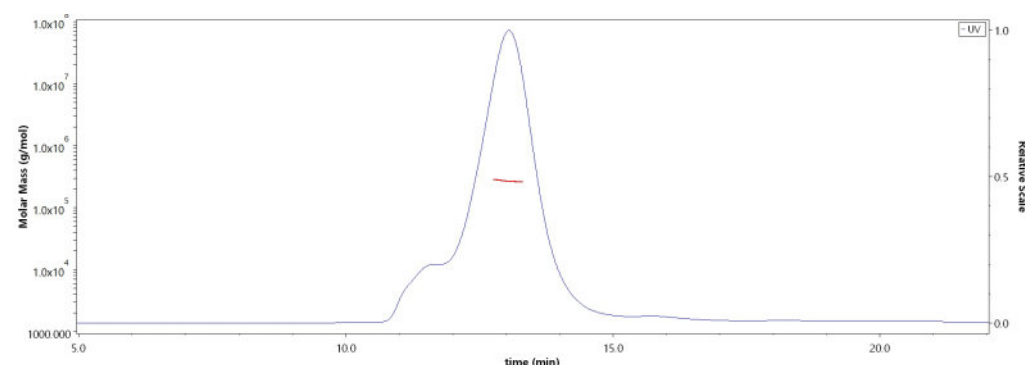
### SDS-PAGE



Human Cadherin-17 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

### Bioactivity-ELISA

### SEC-MALS

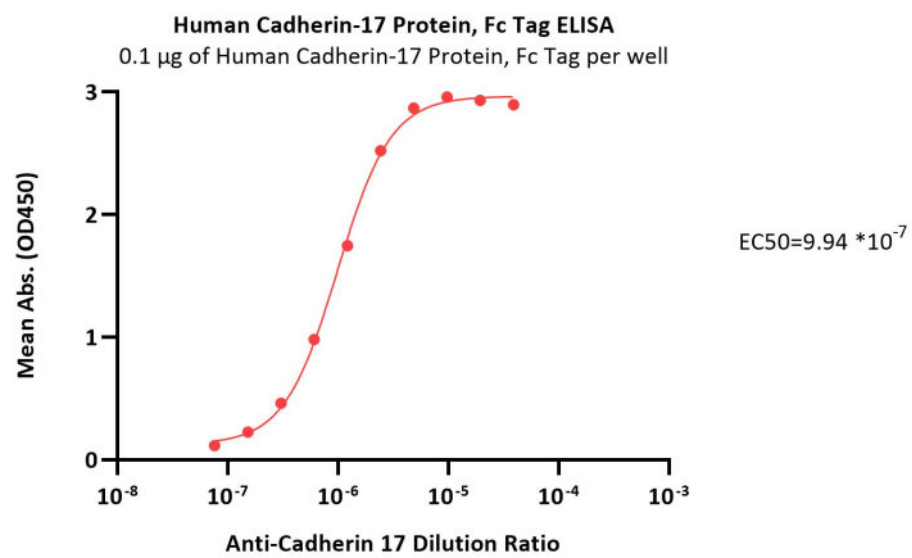


The purity of Human Cadherin-17 Protein, Fc Tag (Cat. No. CA7-H5258) is more than 85% and the molecular weight of this protein is around 235-285 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human Cadherin-17 Protein, Fc Tag (Cat. No. CA7-H5258) at 1 µg/mL (100 µL/well) can bind various dilution ratio of Anti-Cadherin 17 (QC tested).

## Background

Cadherin-17, also known as liver-intestine (LI) Cadherin, belongs to the cadherin family of calcium-dependent cell adhesion molecules. In vivo studies showed CDH17 knockout resulted in apoptotic PC tumor death through activating caspase-3 activity. Taken together, CDH17 functions as an oncogenic molecule critical to PC growth by regulating tumor apoptosis signaling pathways and CDH17 could be targeted to develop an anti-PC therapeutic approach.

## Clinical and Translational Updates

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