

### Synonym

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

### Source

Rat Cadherin-17 Protein, His Tag(CA7-R52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Met 786 (Accession # [P55281-1](#)).

Predicted N-terminus: Gln 22

### Molecular Characterization

|   |          |
|---|----------|
| Cadherin-17(Gln 22 - Met 786)<br>P55281-1 | Poly-his |
|---|----------|

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 86.9 kDa. The protein migrates as 100-115 kDa 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

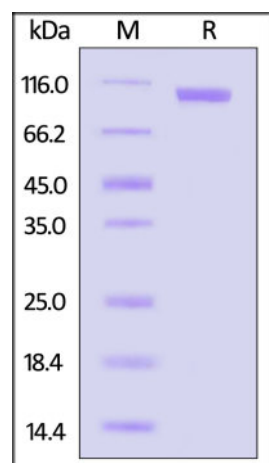
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

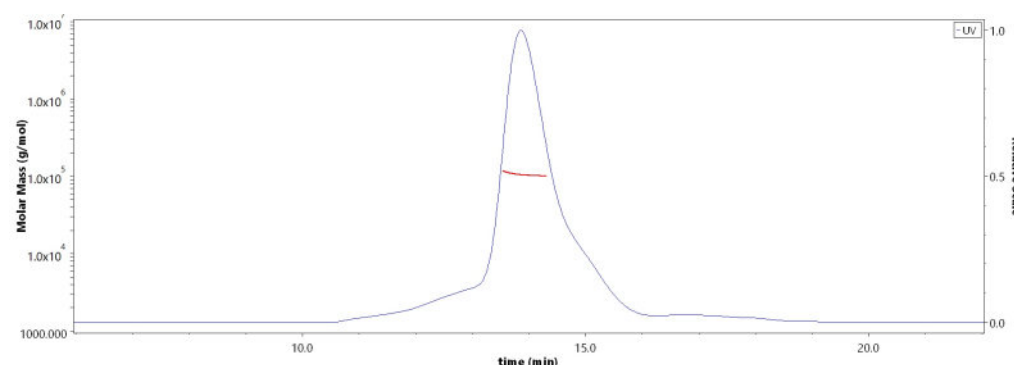
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Rat Cadherin-17 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

### SEC-MALS



The purity of Rat Cadherin-17 Protein, His Tag (Cat. No. CA7-R52H3) is more than 85% and the molecular weight of this protein is around 95-120 kDa verified by SEC-MALS.

[Report](#)

### 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

## Rat Cadherin-17 / CDH17 Protein, His Tag (MALS verified)

Catalog # CA7-R52H3



Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.