

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

Catalog # CA7-R52H3



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)  
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 / rFC 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

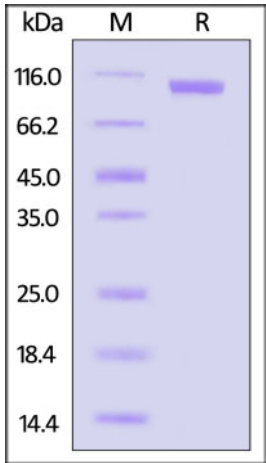
Please see Certificate of Analysis for specific instructions.  
*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.  
*Please avoid repeated freeze-thaw cycles.*

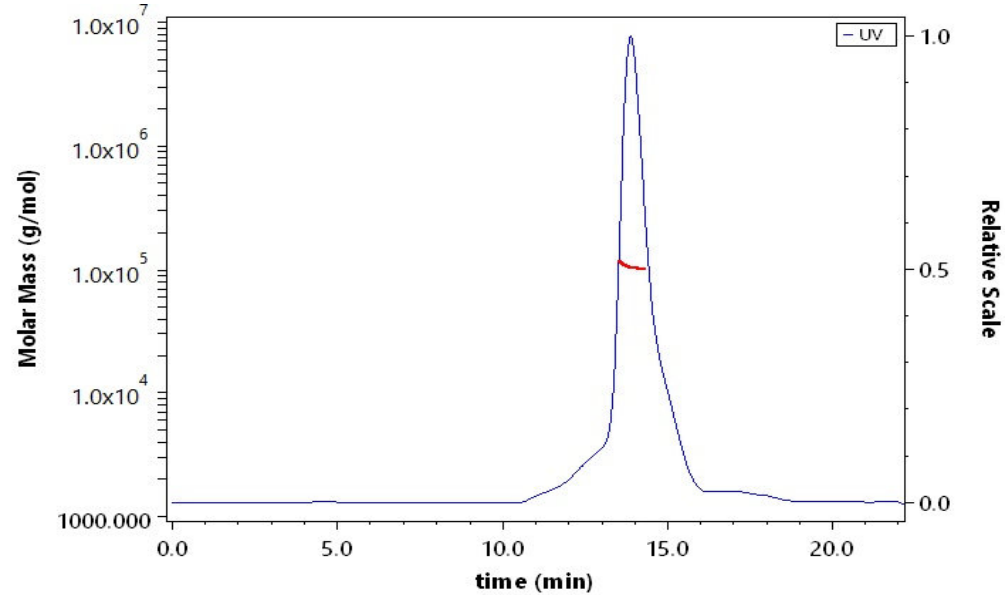
- This product is stable after storage at:
- 20°C to -70°C for 12 months in lyophilized state;
  - 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Rat Cadherin-17 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained 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



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

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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.

