

Human Cadherin-17 / CDH17 (245-449) Protein, Fc Tag (MALS verified)

Catalog # CA7-H525a



Synonym

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

Source

Human Cadherin-17 (245-449) Protein, Fc Tag (CA7-H525a) is expressed from human 293 cells (HEK293). It contains AA Val 245 - Phe 449 (Accession # [Q12864-1](#)).

Predicted N-terminus: Val 245

Molecular Characterization

Cadherin-17(Val 245 - Phe 449) Q12864-1	Fc(Pro 100 - Lys 330) P01857
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Other Tags and Version Biotin & Other Labeled Version

This protein carries a human IgG1 Fc tag at the C-terminus.
The protein has a calculated MW of 49.9 kDa. The protein migrates as 55-65 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 / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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.

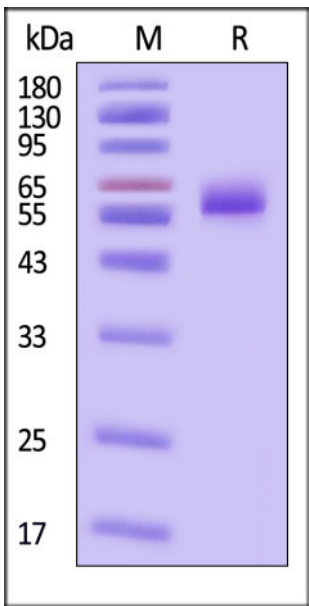
This product is stable after storage at:

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

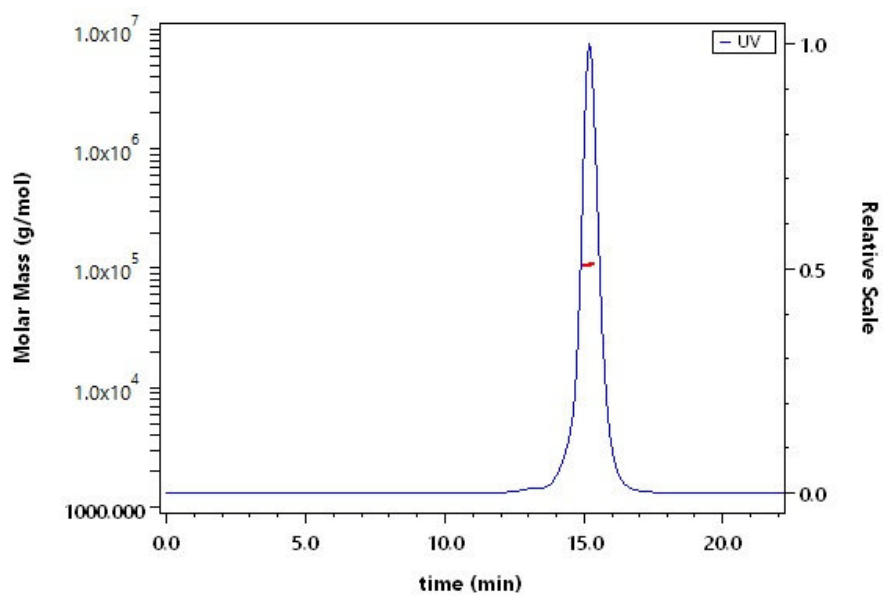
ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



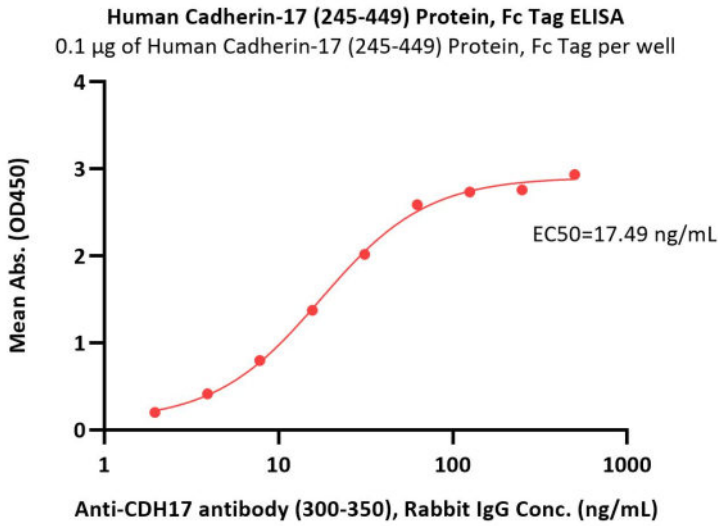
SEC-MALS



Human Cadherin-17 (245-449) 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](#)).

The purity of Human Cadherin-17 (245-449) Protein, Fc Tag (Cat. No. CA7-H525a) is more than 90% and the molecular weight of this protein is around 100-130 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Human Cadherin-17 (245-449) Protein, Fc Tag (Cat. No. CA7-H525a) at 1 µg/mL (100 µL/well) can bind Anti-CDH17 antibody (300-350), Rabbit IgG with a linear range of 2-31 ng/mL (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.

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