

Synonym

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

Source

Cynomolgus Cadherin-17 Protein, Fc Tag(CA7-C5253) is expressed from human 293 cells (HEK293). It contains AA Lys 30 - Thr 792 (Accession # [A0A2K5X8I8-1](#)).

Predicted N-terminus: Lys 30

Molecular Characterization

Cadherin-17(Lys 30 - Thr 792) A0A2K5X8I8-1	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 111.1 kDa. The protein migrates as 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 / rFC method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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

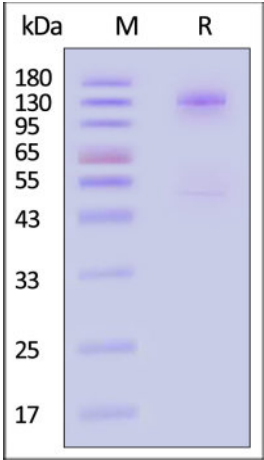
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

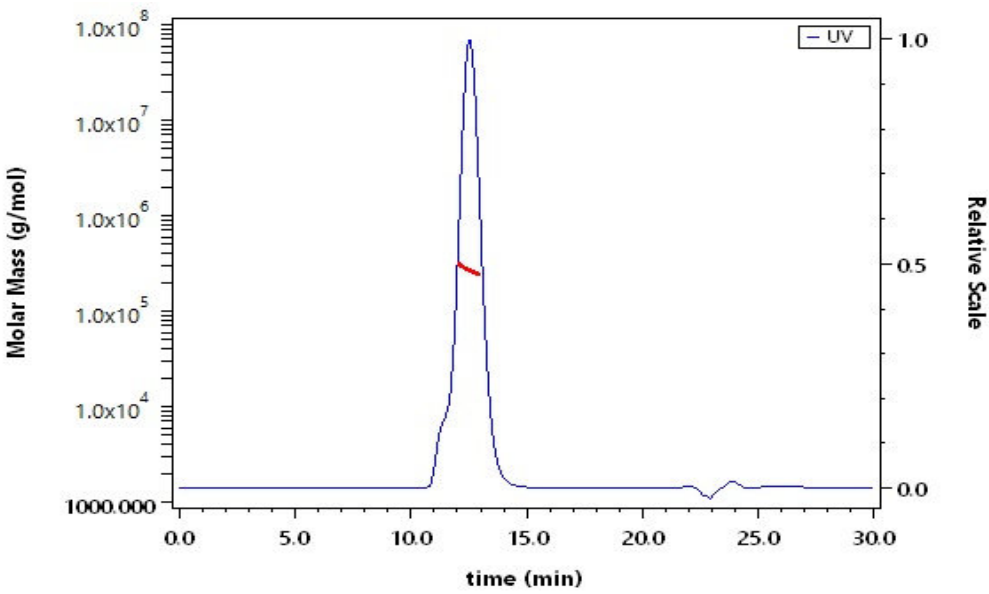
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Cynomolgus 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](#)).

SEC-MALS

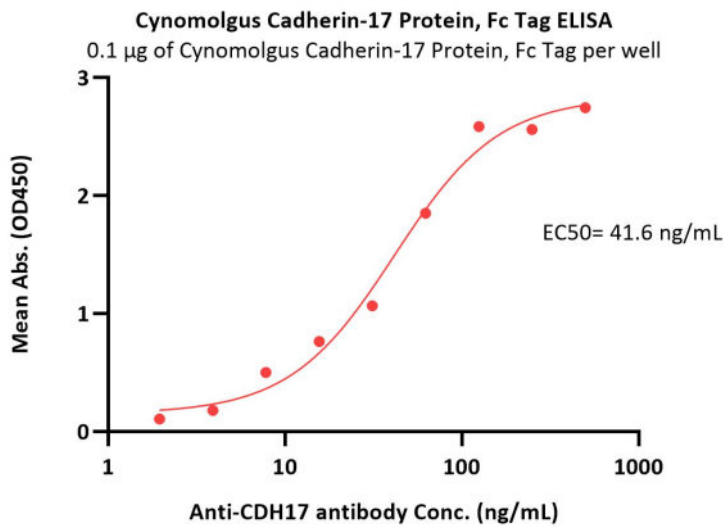


The purity of Cynomolgus Cadherin-17 Protein, Fc Tag (Cat. No. CA7-C5253) is more than 90% and the molecular weight of this protein is around 245-285 kDa verified by SEC-MALS.

[Report](#)

Bioactivity-ELISA





Immobilized Cynomolgus Cadherin-17 Protein, Fc Tag (Cat. No. CA7-C5253) at 1 µg/mL (100 µL/well) can bind Anti-CDH17 antibody with a linear range of 2-63 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.

