

Cat. No. CDH-HM35D-UL

**Description**

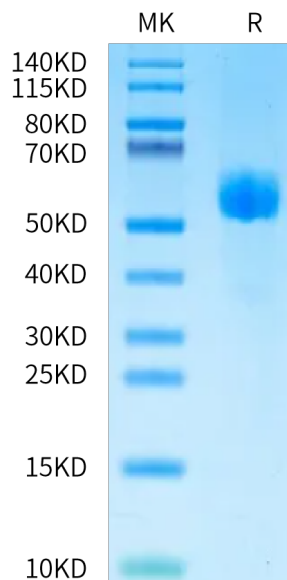
<b>Source</b>	Recombinant Human CDH17/Cadherin 17 Domain 5 Protein is expressed from HEK293 with mFc (IgG2a) tag at the C-terminus. It contains Glu450-Phe566.
<b>Accession</b>	Q12864
<b>Molecular Weight</b>	The protein has a predicted MW of 39.06 kDa. Due to glycosylation, the protein migrates to 40-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

**Formulation and Storage**

<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

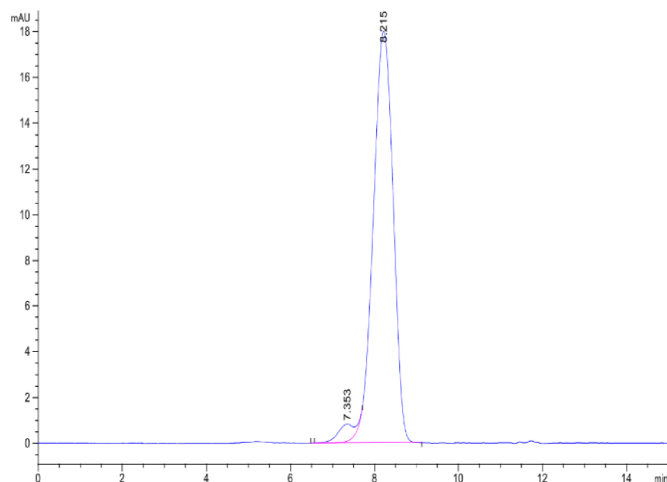
Liver-intestine cadherin (CDH17) has been known to function as a tumor stimulator and diagnostic marker for almost two decades. In vivo studies showed CDH17 knockout resulted in apoptotic PC tumor death through activating caspase-3 activity. Taken together, CDH17 functions as an oncogenic molecule critical to PC growth by regulating tumor apoptosis signaling pathways and CDH17 could be targeted to develop an anti-PC therapeutic approach.

**Assay Data****Bis-Tris PAGE**

Human CDH17 Domain 5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

Assay Data

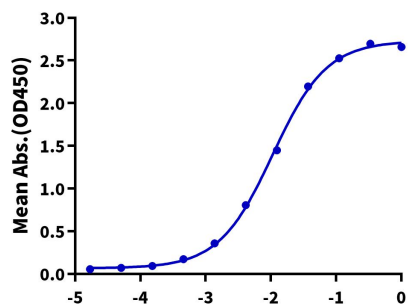


The purity of Human CDH17 Domain 5 is greater than 90% as determined by SEC-HPLC.

ELISA Data

Human CDH17 Domain 5, mFc Tag ELISA

0.05µg Human CDH17 Domain 5, mFc Tag Per Well



Immobilized Human CDH17 Domain 5, mFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Domain 5 Antibody, hFc Tag with the EC50 of 10.7ng/ml determined by ELISA.

Log Biotinylated Anti-CDH17 Domain 5 Antibody, hFc Tag Conc.(µg/ml)