# Human CDH17/Cadherin 17 Domain 1 Protein, Ultra Low Endotoxin

**Cat. No.** CDH-HM31D-UL

## Description

| | |
|---|---|
| **Source** | Recombinant Human CDH17/Cadherin 17 Domain 1 Protein is expressed from HEK293 with mFc (IgG2a) tag at the C-terminus. |
| | It contains Gln23-Gln128. |
| **Accession** | Q12864 |
| **Molecular Weight** | The protein has a predicted MW of 38.29 kDa. Due to glycosylation, the protein migrates to 43-53 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 0.01 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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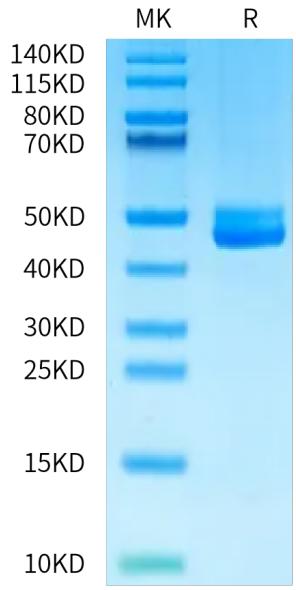
|---|---|
| **Formulation** | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Storage** | -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 1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

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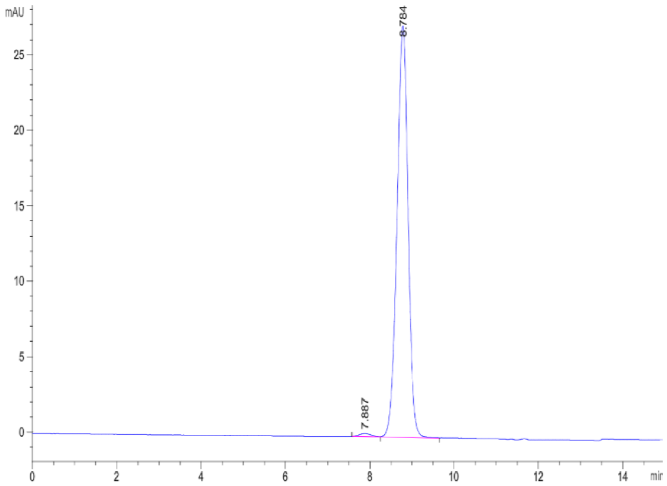
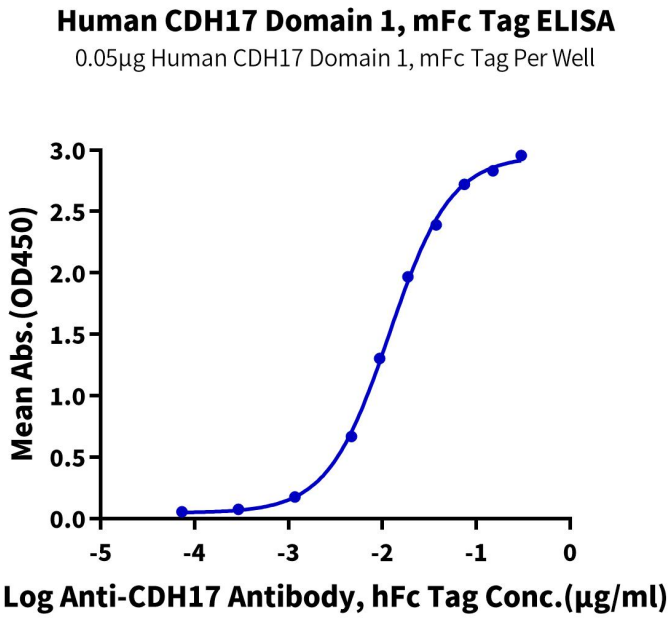
## Assay Data



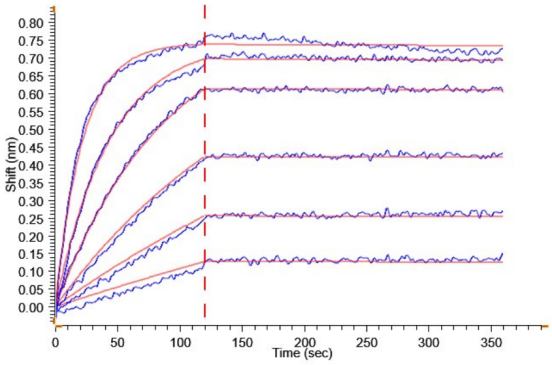

The purity of Human CDH17 Domain 1 is greater than 95% as determined by SEC-HPLC.

### ELISA Data




Immobilized Human CDH17 Domain 1, mFc Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-CDH17 Antibody, hFc Tag with the EC50 of 11.8ng/ml determined by ELISA.

### BLI Data




Loaded Human CDH17 Domain 1, mFc Tag on Anti-Mouse IgG Fc-Biosensor can bind Anti-CDH17 Antibody, hFc-Avi Tag with an affinity constant of 9.88 pM as determined in BLI assay .