

# Human CDH17/Cadherin 17 Domain 6-7 Protein

Cat. No. CDH-HM3D2

## Description

<b>Source</b>	Recombinant Human CDH17/Cadherin 17 Domain 6-7 Protein is expressed from HEK293 with mFc (IgG1) tag at the C-Terminus. It contains Ser567-Gly777.
<b>Accession</b>	Q12864
<b>Molecular Weight</b>	The protein has a predicted MW of 50.18 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 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

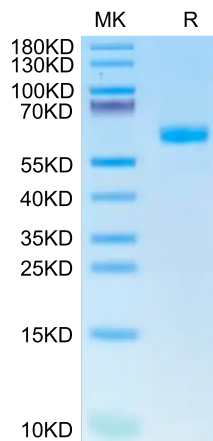
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<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.

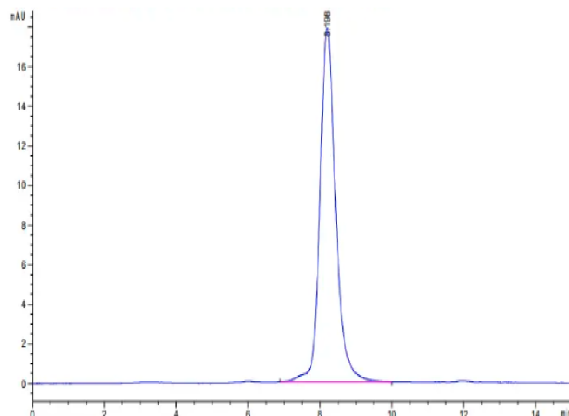
## Assay Data

### Bis-Tris PAGE



Human CDH17 Domain 6-7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human CDH17 Domain 6-7 is greater than 90% as determined by SEC-HPLC.