

Bioactive

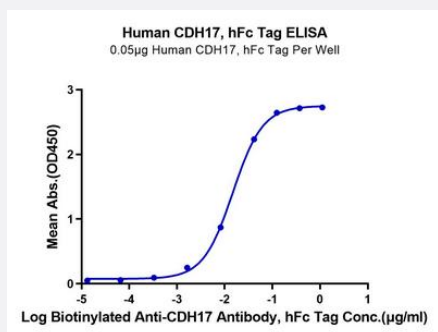
HuPro®

# CDH17 (Human) Recombinant Protein

Catalog # P9725

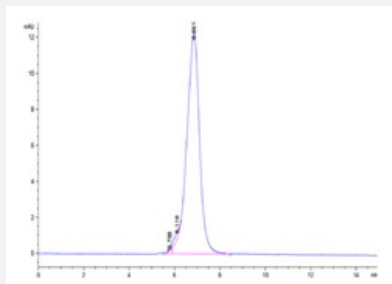
Size 100 ug

## Applications



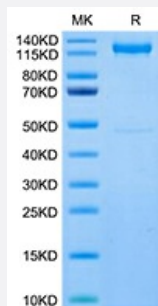
### Enzyme-linked Immunoabsorbent Assay

Immobilized Human CDH17, hFc Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Antibody, hFc Tag with the EC50 of 14.8 ng/mL determined by ELISA.



### SEC-HPLC

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



### Tris-Bis PAGE

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

## Specification

### Product Description

Human CDH17 (Q12864, 23 a.a. - 787 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cells.

<b>Sequence</b>	QEGKFSGLKPMFTFSIYEGQEPSQIIFQFKANPPAVTFELTGETDNIFVIEREGLLYNRLDRETRS THNLQVAALDANGIVEGPVPTIKVKDINDNRPTFLQSKYEGSVRQNSRPGKPFLYVNATDLDDPA TPNGQLYYQIVQLPMINNVMYFQINNKTGAISLTREGSQELNPAKNPSYNLVISVKDMGGQSENSFS DTSVDIVTENIWKAPKPVEMVENSTDPHPKITQVRWNDPGAQYSLVDKEKLPRFPFSIDQEGDI YVTQPLDREEKDAYVFYAVAKDEYGKPLSYPLEIHVKVKDINDNPPTCPSPVTVFEVQENERLGN SIGTLTAHDRDEENTANSFLNYRVEQTPKLPMDGLFLIQTAYAGMLQLAKQSLKKQDTPQYNLTIEV SDKDFKTLCFVQINVIDINDQPIFEKSDYGNLTLAEDTNIGSTILTQATDADEPFTGSSKILYHIKGD EGRLGVDTPHTNTGYVIIKKPLDFETAAVSNVFKAEENPEPLVFGVKYNASSFAKFTLMTDVNEA PQFSQHVFAQKVSSEDVAIGTKVGNVTAKDPEGLDISYSLRGDTRGWLKIDHVTGEIFSVAPLDREA GSPYRVQVVATEVGGSSLSSVSEFHLILMDVNDNPPRLAKDYTGFLFFCHPLSAPGSLIFEATDDD QHLFRGPHFTFSLGSGSLQNDWEVSKINGTHARLSTRHTEFEEREYVVLIRINDGGRPPLEGIVSLP VTFCSCEVGSCFRPAGHQGTGIPTVGM
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	111.73
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (Expi293, high-yield transient HEK293) expression system
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by LAL method)
<b>Activity</b>	The EC <sub>50</sub> was 14.8 ng/mL, measured by ELISA at 0.5 ug/mL.
<b>Quality Control Testing</b>	SEC-HPLC and Tris-Bis PAGE SEC-HPLC Human CDH17 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%. Tris-Bis PAGE Human CDH17 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
<b>Recommend Usage</b>	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water is > 100 ug/mL
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

## Gene Info — CDH17

Entrez GeneID [1015](#)

Protein Accession# [Q12864](#)

Gene Name CDH17

Gene Alias CDH16, FLJ26931, HPT-1, HPT1, MGC138218, MGC142024

Gene Description cadherin 17, LI cadherin (liver-intestine)

Omim ID [603017](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

**Other Designations** HPT-1 cadherin|LI cadherin|cadherin 17|cadherin-16|human intestinal peptide-associated transporter HPT-1|human peptide transporter 1|liver-intestine cadherin

## Disease

- [Depressive Disorder](#)