

## CDH17 recombinant protein

Human CDH17 (129-244) Protein, hFc Tag

CATALOG #  
**AAA129499**

HOST  
**HEK293**

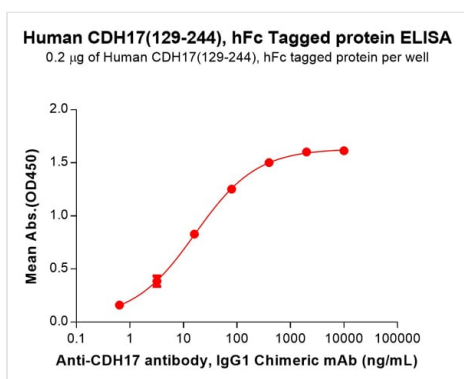
### PRODUCT SYNONYMS

CDH17; Human CDH17 (129-244) Protein; hFc Tag; HPT-1; HPT1; Recombinant human CDH17 (129-244) Protein with C-terminal human Fc tag; CDH17 recombinant protein

### PRODUCT SPECIFICATIONS

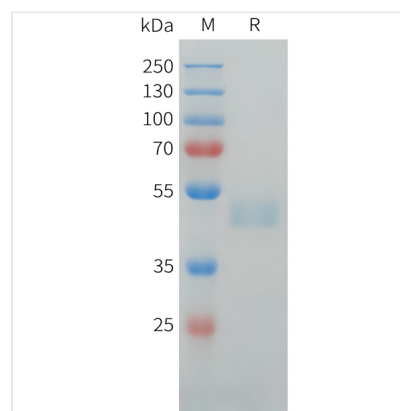
|                         |                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293                                                                                                                                                                                                                                                                   |
| Purity/Purification     | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.                                                                                                                                                                     |
| Form/Format             | Lyophilized from sterile PBS, pH 7.4. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                          |
| Sequence                | CDH17(Ser1 29-Pro244) hFc(Glu99- Ala330)                                                                                                                                                                                                                                 |
| Tag                     | C-Human Fc                                                                                                                                                                                                                                                               |
| Preparation and Storage | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

### IMAGES



#### ELISA

Figure 2. ELISA plate pre-coated by 2 ug/mL (100 uL/well) Human CDH17(129-244) Protein, hFc Tag (AAA129499) can bind Anti-CDH17 antibody, IgG1 Chimeric mAb in a linear range of 0.64–80 ng/mL.



#### SDS-PAGE

Figure 1. Human CDH17(129-244) Protein, hFc Tag on SDS-PAGE under reducing condition.

### ADDITIONAL INFORMATION

#### Related Product Information for CDH17 recombinant protein

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, Jan 2009]

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 221316595                                                                                                                                                                                                                         |
| NCBI GeneID                      | 1015                                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_001138135.1                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_001144663.1                                                                                                                                                                                                                    |
| UniProt Accession #              | Q12864; Q15336; Q2M2E0                                                                                                                                                                                                            |
| Molecular Weight                 | 92,219 Da                                                                                                                                                                                                                         |
| NCBI Official Full Name          | cadherin-17                                                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | cadherin 17, LI cadherin (liver-intestine)                                                                                                                                                                                        |
| NCBI Official Symbol             | CDH17                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | HPT1; CDH16; HPT-1                                                                                                                                                                                                                |
| NCBI Protein Information         | cadherin-17; LI cadherin; LI-cadherin; cadherin-16; HPT-1 cadherin; liver-intestine cadherin; human peptide transporter 1; intestinal peptide-associated transporter HPT-1; human intestinal peptide-associated transporter HPT-1 |
| UniProt Protein Name             | Cadherin-17                                                                                                                                                                                                                       |
| UniProt Gene Name                | CDH17                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | LI-cadherin                                                                                                                                                                                                                       |
| UniProt Entry Name               | CAD17_HUMAN                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.