

## CDH17 Protein, Cynomolgus, Recombinant (His)

### General Information

Synonyms:	Cdh17;HPT-1;FLJ26931;LI-cadherin;BILL-cadherin;P130;Cadherin-17;MGC138218;CDH16;MGC142024;cadherin-16
Protein Construction:	Met1-Met795
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5X8I8
Molecular Weight:	89.2 kDa (predicted). Due to glycosylation, the protein migrates to 105-115 kDa based on Tris-Bis PAGE result.

### QC Testing

Biological Activity:	Anti-CDH17 Antibody captured on CM5 Chip via Protein A can bind Cynomolgus CDH17, His Tag with an affinity constant of 13.44 nM as determined in SPR assay.
Purity:	> 90% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS (PH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein 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.

Reference

Liu X, et al. Disruption of oncogenic liver-intestine cadherin (CDH17) drives apoptotic pancreatic cancer death. *Cancer Lett.* 2019 Jul 10;454:204-214. doi: 10.1016/j.canlet.2019.04.022. Epub 2019 Apr 17. PMID: 31004701.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481