

Cadherin 17/CDH17 Domain 7 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	CDH16;P130;MGC142024;Cdh17;FLJ26931;Cadherin-17;MGC138218;cadherin-16;HPT-1;LI-cadherin;BILL-cadherin
Protein Construction:	Ala668-Gly777
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q12864
Molecular Weight:	38.42 kDa (predicted). Due to glycosylation, the protein migrates to 48-52 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Human CDH17 Domain 7, hFc Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-CDH17 Domain 7 Antibody, hFc Avi Tag with the EC50 of 15.0 ng/mL determined by ELISA.(QC Test)
Purity:	> 95% as determined by Tris-Bis PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in 20 mM Tris, 150 mM NaCl (pH 8.0).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue 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