



Recombinant Protein Technical Manual

Recombinant Human Cadherin7/CDH17 Protein (His Tag)

RPES3801

Product Data:

Product SKU: RPES3801

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q12864

Protein Information:

Molecular Mass: 86.0 kDa

AP Molecular Mass: 11030 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cadherin7; Intestinal Peptide-Associated Transporter HPT; Liver-Intestine Cadherin; LI-Cadherin; CDH17;CDH16;HPT;HPT1

Immunogen Information:

Sequence: Gln23-Met787

Background:

Cadherin7 is a single-pass type I membrane protein that belongs to the cadherin superfamily. Cadherin7 consists of one extracellular region containing seven cadherin domains and one transmembrane region but it lacks the conserved cytoplasmic domain. Cadherin7 is expressed in the gastrointestinal tract and pancreatic duct. Cadherins are calcium dependent cell adhesion proteins and preferentially interact with each other in a homophilic manner in connecting cells. Cadherin7 may have a role in the morphological organization of liver and intestine and involved in intestinal peptide transport.