Recombinant Human Cadherin-17/CDH17 Protein (His Tag)

Catalog No. PKSH032139

Note: Centrifuge before opening to ensure complete recovery of vial contents.

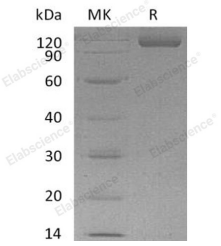
Description

Synonyms	Cadherin-17;Intestinal Peptide-Associated Transporter HPT-1;Liver-Intestine Cadherin;LI-Cadherin;CDH17;CDH16;HPT-1;HPT1
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln23-Met787
Accession	AAI13465.1
Calculated Molecular Weight	86.0 kDa
Observed molecular weight	110-130 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Cadherin-17 is a single-pass type I membrane protein that belongs to the cadherin superfamily. Cadherin-17 consists of

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one extracellular region containing seven cadherin domains and one transmembrane region but it lacks the conserved cytoplasmic domain. Cadherin-17 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. Cadherin-17 may have a role in the morphological organization of liver and intestine and involved in intestinal peptide transport.

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