Cadherin-17 Protein, Cynomolgus (HEK293, Fc)

Cat. No.:	HY-P77309
Synonyms:	Cadherin-17; CDH17; Intestinal Peptide-Associated Transporter HPT-1
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005563762 (M1-M787)
Gene ID:	102129651
Molecular Weight:	Approximately 111.8 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Cadherin-17, a member of the calcium-dependent cell adhesion protein family, assumes a crucial role in mediating cellular adhesion. Employing preferential homophilic interactions, Cadherin-17 facilitates self-binding between connecting cells. This homophilic cadherin engagement underscores its significance in cell adhesion and suggests a substantial contribution to the intricate process of sorting heterogeneous cell types. Additionally, Cadherin-17, also known as LI-cadherin, may play a role in the morphological organization of the liver and intestine, indicating its involvement in the structural organization of these tissues. With its calcium-dependent adhesion properties, Cadherin-17 actively participates in establishing selective connections between cells, influencing the dynamic regulation of cellular interactions and contributing to the overall structural integrity of tissues, particularly in the liver and intestine[1].

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