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Datasheet for ABIN7274303

## LI Cadherin Protein (AA 1-795) (His tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	LI Cadherin
Protein Characteristics:	AA 1-795
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LI Cadherin protein is labelled with His tag.

#### Product Details

Purpose:	Cynomolgus CDH17/Cadherin 17 Protein
Sequence:	Met1-Met795
Characteristics:	Recombinant Cynomolgus CDH17/Cadherin 17 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Met1-Met795.
Purity:	> 90 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 13.30 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

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Target:	LI Cadherin
Alternative Name:	CDH17 ( <a href="#">LI Cadherin Products</a> )
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.
Molecular Weight:	89.2 kDa. Due to glycosylation, the protein migrates to 105-115 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">A0A2K5X8I8</a>

## Application Details

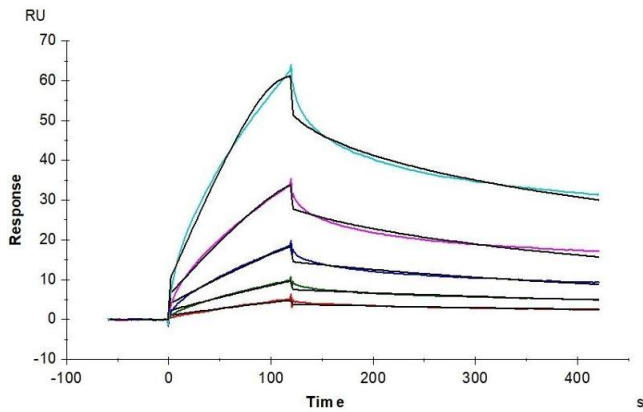
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Restrictions:	For Research Use only
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## Handling

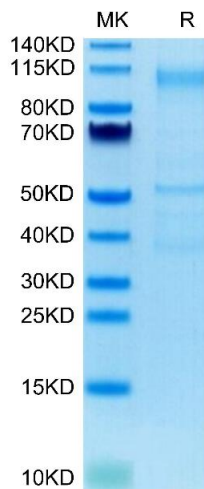
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (PH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### Surface Plasmon Resonance

**Image 1.** Anti-CDH17 Antibody, hFc-Avi Tag captured on CM5 Chip via Protein A can bind Cynomolgus CDH17, His Tag with an affinity constant of 13.30 nM as determined in SPR assay (Biacore T200).



### SDS-PAGE

**Image 2.** Cynomolgus CDH17 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .