Datasheet for ABIN7491297

CDH10 Protein (AA 55-613) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	CDH10
Protein Characteristics:	AA 55-613
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDH10 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CDH10 protein with C-terminal 6xHis tag
Specificity:	CDH10 (Gly55-Ala613) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CDH10
Alternative Name:	CDH10 (CDH10 Products)
Background:	This gene encodes a type II classical cadherin of the cadherin superfamily. Alternative splicing

Target Details

	of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature cadherin protein. These integral membrane proteins mediate calcium-dependent cell-cell adhesion and are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. The extracellular domain consists of 5 subdomains, each containing a cadherin motif, and appears to determine the specificity of the protein's homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a histidine-alanine-valine (HAV) cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is predominantly expressed in brain and is putatively involved in synaptic adhesions, axon outgrowth and guidance. Mutations in this gene may be associated with lung squamous cell carcinoma and colorectal cancer in human patients. [provided by RefSeq, Nov 2015]
Molecular Weight:	predicted molecular mass of 63.0 kDa after removal of the signal peptide. The apparent molecular mass of CDH10-His is 70-130 kDa due to glycosylation.
UniProt:	Q9Y6N8
Pathways:	Cell-Cell Junction Organization

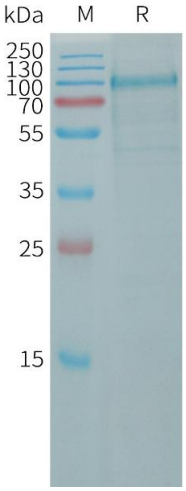
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Human Protein, His Tag on SDS-PAGE under reducing condition.