

Recombinant Human CDH10 Protein, Fc Tagged

Cat. No. CDH10-11177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Cadherin-10 Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gly 55-Ala 613 (Accession # Q9Y6N8-1). This protein carries a human IgG1 Fc tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	55-613 aa
Description	Cadherins are a large family of cell –cell adhesion molecules involved in inter-cellular adhesion in a wide variety of cell types. In the nervous system, cadherins are known to be crucial to all stages of development, including the early separation of the neural tube from the ectoderm, the segregation of neurones and axons, and the formation of synapses. These molecules mediate calcium ion-dependent, homotypic primers designed using two highly conserved amino acid sequences in the cytoplasmic domain. One of the cadherins identified was cadherin-10. Cadherin-10 was first partially cloned from human brain, but its mRNA has also been shown to be present in mouse thymus (designated T2-cadherin), mouse testis, and in the developing brain and eye of mouse, rat, and chick.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 88.8 kDa. The protein migrates as 95-120 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R)

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	condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 24 months in lyophilized state; -70 centigrade for 12 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CDH10 cadherin 10, type 2 (T2-cadherin) [Homo sapiens (human)]
Official Symbol	CDH10
Synonyms	CDH10; cadherin 10, type 2 (T2-cadherin); cadherin-10; T2-cadherin;
Gene ID	1008
mRNA Refseq	NM_006727
Protein Refseq	NP_006718
MIM	604555

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UniProt ID

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