

Recombinant Human CDH10, His-tagged

Cat. No. CDH10-26741TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 228-514 of Human cadherin 10 with N terminal His tag; MWt 33kDa.
Species	Human
Source	E.coli
ProteinLength	228-514 a.a.
Description	This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins 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 proteins homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a 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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 147 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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phosphate, 10mM Sodium chloride, pH 4.5

Storage

Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids

ENREQYQVVIQAKDMGGQMGGLSGTTTVNITLTDVNDNPP RFPQNTIHLRVLESSP
VGTAIGSVKATDADTGKNAEVE YRIIDGDGTDMFIDIVTEKDTQEGIITVKKPLDYESR
RL YTLKVEAENTHVDPRFYLLGPFKDTTIVKISIEDVDEP PVFSRSSYLFEVHEDIEV
GTIIGTVMARDPDSISSPIRFS LDRHTDLDRIFNIHSGNGSLYTSKPLDRELSQWHNL
TV IAAEINNPKETTRVAVFVRILDVNDNAPQFAVFYDTFV CENARPGQLIQTISAVD

GENE INFORMATION

Gene Name

CDH10 cadherin 10, type 2 (T2-cadherin) [Homo sapiens]

Official Symbol

CDH10

Synonyms

CDH10; cadherin 10, type 2 (T2-cadherin); cadherin-10;

Gene ID

1008

mRNA Refseq

NM_006727

Protein Refseq

NP_006718

MIM

604555

Uniprot ID

Q9Y6N8

Chromosome Location

5p14.2

Pathway

Adherens junctions interactions, organism-specific biosystem; Cell junction

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organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;

Function

calcium ion binding;

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