

## Recombinant Human PCDH10 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PCDH10-4464H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PCDH10 MS Standard C13 and N15-labeled recombinant protein (NP_065866) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. This family member contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. The encoded protein is a cadherin-related neuronal receptor thought to function in the establishment of specific cell-cell connections in the brain. This gene plays a role in inhibiting cancer cell motility and cell migration. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| <b>Molecular Mass</b>   | 94.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MIVLLLFALLWMVEGVFSQ LHYTVQEEQEHGTFVGNIAEDLGLDITKLSARGFQTVP<br>NSRTPYLDLNLETGVLVNEKIDREQICKQSPSCVLHLEVFLNPLELFQVEIEVLDIN<br>DNPPSFPEPDLTVEISESATPGTRFPLESAFDPDVG TNSLRDYEITPNSYFSLDVQTQ<br>GDGNRFAELVLEKPLDREQQAVHRYVLTAVDGGGGGGGVGEGGGGGGGAGLPPQ<br>QQRGTGALLTIRVLDSNDNVPAFDQPVYTVSLPENSPPGTLVIQLNATDPDEGQNGE<br>VVYSFSSHISPRARELFGLSPRTGRLEVSGELDYEE SPVYQVYVQAKDLGPNVPA                                                                                                                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HCKVLVRVLDANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDRDSEENGQVQCE  
 LLGDVPFRLKSSFKNYTIVTEAPLDREAGDSYTLTVVARDRGEALSTSKSIQVQVS  
 DVNDNAPRFSQPVDVYVTENNVPGAYIYAVSATDRDEGANALAYSILECQIQGM  
 SVFTYVSINSENGYLYALRSFDYEQLKDFSQVEARDAGSPQALAGNATVNILIVDQN  
 DNAPAIVAPLPGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVRGNE  
 MNLFRMDWRTGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVD  
 GAVEPQGGGGSGGGGSGEHQRPSRSGGGGETSLDLTLILIALGVSFIFLLAMIVLAV  
 RCQKEKKLNIYTCLASDCCLCCCCGGGGSTCCGRQARARKKKLSKSDIMLVQSSN  
 VPSNPAQVPIEESGGFGSHHHNQNYCYQVCLTPESAKTDLMLFKPCSPSRSTDTEH  
 NPCGAIVTGYTDQQPDIISNGSILSNEVRLKRKDHHLSSPPSESLLTRTRPLEQKLISE  
 EDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PCDH10 protocadherin 10 [ Homo sapiens (human) ]

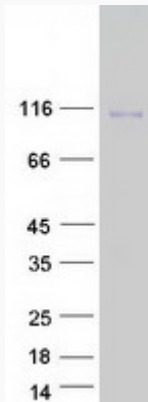
**Official Symbol** PCDH10

**Synonyms** PCDH10; protocadherin 10; protocadherin-10; KIAA1400; OL PCDH; ortholog of OL-pcdh; PCDH19; OL-PCDH; MGC133344; DKFZp761O2023;

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|                |                                                                                     |
|----------------|-------------------------------------------------------------------------------------|
| Gene ID        | 57575                                                                               |
| mRNA Refseq    | NM_020815                                                                           |
| Protein Refseq | NP_065866                                                                           |
| MIM            | 608286                                                                              |
| UniProt ID     | Q9P2E7                                                                              |
| SDS-PAGE       |  |