

Recombinant Human PCDH10 Protein, Fc-tagged

Cat. No. PCDH10-407H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCDH10, transcript variant 2, fused with Fc tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	102.4kD
AA Sequence	QLHYTVQEEQEHGTFVGNIAEDLGLDITKLSARGFQTPNSRTPYLDLNLETGVLYV NEKIDREQICKQSPSCVLHLEVFLFNPLELFQVEIEVLDINDNPPSFPEPDLTVEISES ATPGTRFPLESAFDPDVG TNSLRDYEITPNSYFSLDVQTQGDG NRFAELVLEKPLDR EQQAVHRYVLTAVDGGGGGGVGEVGGGGGGGAGLPPQQRTGTALLTIRVLDSDND NVPAFDQPVYTVSLPENSPPGTLVIQLNATDPDEGQNGEVVYSFSSHISPRARELFG LSPRTGRLEVSGELDYEESPVYQVYVQAKDLGPNAVPAHCKVLVRVLDANDNAPEI

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SFSTVKEAVSEGAAPGTVVVALFSVTDRDSEENGQVQCELLGDVPFRPKSSFKNYITI
 VTEAPLDREAGDSYTLTVVARDRGEPALSTSKSIQVQVSDVNDNAPRFSQPVDVY
 VTENNVPGAYIYAVSATDRDEGANALAYSILECQIQGMSVFTYVSINSENGYLYALR
 SFDYEQLKDFSFQVEARDAGSPQALAGNATVNILIVDQNDNAPAIVAPLPGRNGTPA
 REVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVIRGNEMNLFMRMDWRTGELRTAR
 RVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVDGAVEPQGGGGSGGGGGSG
 EHQRPSRSGGGETSLDLTVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFLFP
 PKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTY
 RVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREE
 MTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVD
 KSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name PCDH10 protocadherin 10 [Homo sapiens]

Official Symbol PCDH10

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

Gene ID 57575

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mRNA Refseq	NM_032961
Protein Refseq	NP_116586
MIM	608286
UniProt ID	Q9P2E7

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