

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

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

SPECIFICATION

Product Overview

PCDH10 MS Standard C13 and N15-labeled recombinant protein (NP_065866) with a C-terminal MYC/DDK tag, 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.

Molecular Mass

94.9 kDa

AA Sequence

MIVLLLFALLWMVEGVFSQLHYTVQEEQEHGTFVGNIAEDLGLDITKLSARGFQTVP
 NSRTPYLDLNLETGVLYVNEKIDREQICKQSPSCVLHLEVFLLENPLELFQVEIEVLDIN
 DNPPSFPEPDLTVEISESATPGTRFPLESAFDPDVGVTNSLRDYEITPNSYFSLDVQTQ
 GDGNRFAELVLEKPLDREQQAVHRYVLTAVDGGGGGGVGEVVGGGGGGGAGLPPQ
 QQRTGTALLTIRVLDSNDNVPAFDQPVYTVSLPENSPPGTLVIQLNATDPDEGQNGE
 VVYSFSSHISPRARELFGLSPTGRLEVSGELDYEESPVYQVYVQAKDLGPNVPA

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HCKVLVRVLDANDNAPEISFSTVKEAVSEGAAPGTVVALFSVTDRDSEENGQVQCE
 LLGDVPPFRLKSSFKNYTIVTEAPLDREAGDSYTLTVVARDRGEALSTSKSIQVQVS
 DVNDNAPRFSQPVYDVYVTENNVPGAYIYAVSATDRDEGANAQLAYSILECQIQGM
 SVFTYVSINSENGYLYALRSFDYEQLKDFSQVEARDAGSPQALAGNATVNILIVDQN
 DNAPAIVAPLPGRNGTPAREVLPRSAEPGYLLTRVAAVDADDGENARLTYSIVRGNE
 MNLFRMDWRTGELRTARRVPAKRDPQRPYELVIEVRDHGQPPLSSTATLVVQLVD
 GAVEPQGGGGSGGGGSGEHQRPSRSGGGETSLDLTLILIALGVSFIFLLAMIVLAV
 RCQKEKLNITCLASDCCLCCCCGGGGSTCCGRQARARKKKLSKSDIMLVQSSN
 VPSNPAQVPIEESGGFGSHHHNQNYCYQVCLTPESAKTDLNFLKPCSPSRSTDTEH
 NPCGAIVTGYTDQQPDIISNGSILSNEVRLKRKDHHLSSPPSELLTRTRPLEQKLISE
 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

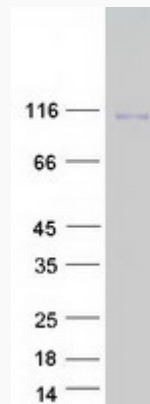
mRNA Refseq NM_020815

Protein Refseq NP_065866

MIM 608286

UniProt ID Q9P2E7

SDS-PAGE



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