

Recombinant Human PCDH8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PCDH8-3017H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCDH8 MS Standard C13 and N15-labeled recombinant protein (NP_002581) 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. The gene encodes an integral membrane protein that is thought to function in cell adhesion in a CNS-specific manner. Unlike classical cadherins, which are generally encoded by 15-17 exons, this gene includes only 3 exons. Notable is the large first exon encoding the extracellular region, including 6 cadherin domains and a transmembrane region. Alternative splicing yields isoforms with unique cytoplasmic tails.
Molecular Mass	113 kDa
AA Sequence	MSPVRRWGSPCLFPLQLFSLCWVLSVAQSKTVRYSTFEEDAPGTVIGTLAEDLHMK VSGDTSFRLMKQFNSSLLRVREGDGQLTVGDAGLDRERLCGQAPQCVLAFDVVSF SQEQFRLVHVEVEVRDVNDHAPRFPRAQIPVEVSEGAAVGTRIPLEVPVDEDVGAN GLQTVRLAEPHSPFRVELQTRADGAQCADLVLLQELDRESQAAYSLELVAQDGGRP PRSATAALSVRVLDANDHSPAFPQGAVAEVELAEDAPVGSLLLDLDAADPDEGPNG DVVFAFGARTPPEARRLFRLDPRSGRLTAGPVDYERQDTYELDVRAQDRGPGPR

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AATCKVIVRIRDVNDNAPDIAITPLAAPGAPATSPFAAAAAAALGGADASSPAGAGT
 PEAGATSLVPEGAARESLSVALVSTSDRDSGANGQVRCALYGHEHFRLQPAYAGSYL
 VVTAASLDRERIAEYNLTVAEDRGAPPLRTVRPYTVRVGDENDNAPLFTRPVYEVS
 VRENNPPGAYLATVAARDRDLGRNGQVTYRLLAEVGRAGGAVSTYVSVDPATGAI
 YALRSFDYETLRQLDVRIQASDGGSPQLSSSALVQVRVLDQNDHAPVLVHPAPANG
 SLEVAVPGRTAKDTVVARVQARDADEGANGELAFELQQQEPREAFAGRRTGEILLT
 GDLSQEPPGRVFRALLVISDGGRPPLTTTATVSFVVTAGGGRGPAAPASAGSPERS
 RPPGSRLGVSGSVLQWDTPLIVIVLAGSCTLLLAIIAIIATTCNRRKKEVRKGGALRE
 ERPGAAGGGASAPGSPEEAARGAGPRPNMFDVLTFFPGTGKAPFGCPAADAPPPAV
 AAAEVPGSEGGSATGESACHFEGQQRLRGAHAEPYGASPGFGKEPAPPVAVWKG
 HSFNTISGREAEKFSGKDSGKGDSDFNDSDDISGDALKKDLINMQSGLWACTAE
 CKILGHSDRCWSPSCSGPNAHPSHPHPAQMSTFCKSTSLPRDPLRRDNYYQAQLP
 KTVGLQSVYEKVLHRDYDRTVTLLSPRPGRLPDLQEIGVPLYQSPPGRYLSPKKGA
 NENVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 PCDH8 protocadherin 8 [Homo sapiens (human)]

Official Symbol PCDH8

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Synonyms	PCDH8; protocadherin 8; protocadherin-8; ARCADLIN; PAPC;
Gene ID	5100
mRNA Refseq	NM_002590
Protein Refseq	NP_002581
MIM	603580
UniProt ID	O95206
SDS-PAGE	