

Recombinant Human PCDH1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PCDH1-2120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCDH1 MS Standard C13 and N15-labeled recombinant protein (NP_115796) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the protocadherin subfamily within the cadherin superfamily. The encoded protein is a membrane protein found at cell-cell boundaries. It is involved in neural cell adhesion, suggesting a possible role in neuronal development. The protein includes an extracellular region, containing 7 cadherin-like domains, a transmembrane region and a C-terminal cytoplasmic region. Cells expressing the protein showed cell aggregation activity. Alternative splicing occurs in this gene.
Molecular Mass	130.1 kDa
AA Sequence	MDSGAGGRRCP EAALLILGPPRMEHLRHSPGPGGQ RLLLPSMLLALLLLLAPSPGH ATRVVYKVP EEQPPNTLIGSLAADYGFPDVGHL YKLEV GAPYLRVDGKTGDIFTTET SIDREGLRECQNQLPGDPCILEFEVSITDLVQNGSPRLLEGQIEVQDINDNTPNFASP VITLAIPENTNIGSLFPIPLASDRDAGPNGVASYELQAGPEAQELFGLQVAEDQEEKQ PQLIVMGNLDRERWDSYDLTIKVQDGGSPPRASSALLRVTVLDTNDNAPKFERPSY EAELSENSPIGHSVIQVKANDSDQGANA EIEYTFHQAPEVVRRLRLDRNTGLITVQG PVDREDLSTLRFSVLAKDRGTNPKSARAQVVVTVKDMNDNAPTIEIRGIGLVTHQDG

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

MANISEDVAEETAVALVQVSDRDEGENAAVTCVVAGDVFPQLRQASETGSDSKKKY
 FLQTTTPLDYEKVKDYTIEIVAVDSGNPPLSSTNSLKVQVVDVNDNAPVFTQSVTEVA
 FPENNKPGEVIAEITASDADSGSNAELVYSLEPEPAAGLFTISPETGEIQVKTSLDRE
 QRESYELKVVAADRGSPSLQGTATVLVNVLDNDNDPKFMLSGYNFVSMENMPAL
 SPVGMVTVIDGDKGENAQVQLSVEQDNGDFVIQNGTGTILSSLSFDREQQSTYTFQ
 LKAVDGGVPPRSAYVGVNTINVLDDENDNAPYITAPSNTSHKLLTPQTRLGETVSQVAA
 EDFDSGVNAELIYSIAGGNPYGLFQIGSHSGAITLEKEIERRHHGLHRLVVKVSDRGK
 PPRYGTALVHLYVNETLANRTLLETLLGHSLDTPLDIDIAGDPEYERSKQRGNILFGV
 VAGVVAVALIALAVLVRYCRQREAKSGYQAGKKETKDLYAPKPSGKASKGNKSKG
 KKSXSPKPKPVEDEDEAGLQKSLKFNLMSDAPGDSPIHLPLNYPGSPDLGRHY
 RSNSPLPSIQLQPQSPSASKKHQVVQDLPPANTFVGTGDTTSTGSEQYSDYSYRTN
 PPKYPSKQLPHRRVTFSATSQAQELQDPSQHSYYDSGLEESETPSSKSSSGPRLGP
 LALPEDHYERTTPDGSIGEMEPENDLRPLPDVAMTGTCTRECSEFGHSDTCWMP
 GQSSPSRRTKSSALKLSTFVPYQDRGGQEPAGAGSPSPPEDRNTKTAPVRLPLSYS
 AFSHSSHDCKDSATLEEIPLTQTSDFPPAATPASAQTAKREIYLTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

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

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Gene Name	PCDH1 protocadherin 1 [Homo sapiens (human)]
Official Symbol	PCDH1
Synonyms	PCDH1; protocadherin 1; protocadherin 1 (cadherin like 1); protocadherin-1; pc42; cadherin-like 1; protocadherin 42; protocadherin-42; cadherin-like protein 1; PC42; PCDH42; FLJ53887; MGC45991;
Gene ID	5097
mRNA Refseq	NM_032420
Protein Refseq	NP_115796
MIM	603626
UniProt ID	Q08174
SDS-PAGE	