

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	MDSGAGGRRRCPEAALLILGPPRMEHLRHSPGGGQRRLLPSMLLALLLLLAPSPGH ATRVVYKVPPEEQPPNTLIGSLAADYGFPDVGHLKLEVGA PYLRVDGKTGDIFTTET SIDREGLRECQNQLPGDPCILEFEVSITDLVQNGSPRLLEGQIEVQDINDNTPNFASP VITLAIPENTNIGSLFPIPLASDRDAGPNGVASYELQAGPEAQELFGLQVAEDQEEKQ PQLIVMGNLDRERWDSYDLTIKVQDGGSPPRASSALLRVTVLDTNDNAPKFERPSY EAELSENSPIGHSVIQVKANDSDQGANAIEYTFHQAPEVVRRLRLDRNTGLITVQG 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
 QRESYELKVVAADRGSPSLQGTATVLVNVLDCNDNDPKFMLSGYNFVSMENMPAL
 SPVGMVTVIDGDKGENAQVQLSVEQDNGDFVIQNGTGTILSSLSFDREQQSTYTFQ
 LKAVDGGVPPRSAYVGVNTINVLDDENDNAPYITAPSNTSHKLLTPQTRLGETVSQVAA
 EDFDSGVNAELIYSIAGGNPYGLFQIGSHSGAITLEKEIERRHHGLHRLVVKVSDRGK
 PPRYGTALVHLYVNETLANRTLLETLLGHSLDTPLDIDIAGDPEYERSKQRGNILFGV
 VAGVVAVALIALAVLVRYCRQREAKSGYQAGKKETKDLYAPKPSGKASKGNKSKG
 KKS KSPKPKVPEVEDEAGLQKSLKFNLMSDAPGDSPRIHLPLNYPGSPDLGRHY
 RSNSPLPSIQLQPQSPSASKKHQVVQDLPPANTFVGTGDTTSTGSEQYSDYSYRTN
 PPKYPSKQLPHRRVTFSATSQAQELQDPSQHSYYDSGLEESETPSSKSSSGPRLGP
 LALPEDHYERTTPDGSIGEMEPENDLRPLPDVAMTGTCTRECSEFGHSDTCWMP
 GQSSPSRRTKSSALKLSTFVPYQDRGGQEPAGAGSPSPPEDRNTKTAPVRLLPSSYS
 AFSSHSDSCKDSATLEEIPLTQTSDFPPAATPASAQTAKREIYLTRTRPLEQKLISEE
 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	