

Product datasheet for TP307717M

PCDH1 (NM_002587) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protocadherin 1 (PCDH1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207717 protein sequence Red=Cloning site Green=Tags(s)

MDSGAGGRRCP EAALLILGPPRMEHLRHSPGPGGQRLLLP SMLLALLLLLAPSPGHATRVVYKVPEEQPP
 NTLIGSLAADYGFDPVGHLYKLEVGAPYLRVDGKTGDIFTTETSIDREGLRECQNQLPGDPCILEFEVSI
 TDLVQNGSPRLLLEGQIEVQDINDNTPNFASPVITLAI PENTNIGSLFPIPLASDRDAGPNGVASVELQAG
 PEAQELFGLQVAEDQEEKQPQLIVMGNLDRERWDSYDLTIKVQDGGSPPRASSALLRVTVLDTNDNAPKF
 ERPSYEAELSENSPIGHSVIQVKANDSDQGANA EIEYTFHQAPEVVRLLRLDRNTGLITVQGPVDREDL
 STLRFSVLAKDRGTNPKSARAQVVTVKDMNDNAP TIEIRGIGLVTHQDGMANISEDVAETAVALVQVS
 DRDEGENAAVTCVAGDVPFQLRQASETGSDSKK KYFLQTTTPLDYEKVKDYTIEIVAVDSGNPPLSSTN
 SLKVQVVDVNDNAPVFTQSVTEVAFPENNKPG EIVAEITASDADSGSNAELVYSLEPEAAKGLFTISPE
 TGEIQVKTSLDREQRESYELKVAADRGSPLQGTATV LVNVLDCNDNDPKFMLS GYNFVSMENMPALSP
 VGMVTVIDGDKGENAQVQLSVEQDNGDFVIQNGTGTIL SLSFDREQQSTYTFQLKAVDGGVPPRSAYVG
 VTINVLDENDNAPYITAPSNTSHKLLTPQTRLGETVSQVAAEDFDSGVNAELIYSIAGGNPYGLFQIGSH
 SGAITLEKEIERRHHGLHRLVVKVSDRKGKPPRYGTALVHLYVNETLANRTLLETLLGHSLDTPLDIDIAG
 DPEYERSKQRGNILFGWAGVVAVALLIALAVLVRYCRQ REAKSGYQAGKKETKDLYAPKPSGKASKGNK
 SKGKKS KSPKPKPVEDEDEAGLQKSLKFNLM SDAPGDSPRIHLPLNYPPGSPDLGRHYRSNSPLPSIQL
 QPQSPSASKKHQVVQDLPPANTFVGTGDTTSTGSE QYSYRTNPPKYP SKQVGPQPFQLSTPQPLPHPY
 HGAIWTEVWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

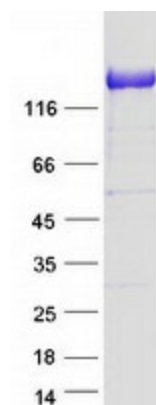
Tag:	C-Myc/DDK
Predicted MW:	111.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002578
Locus ID:	5097
UniProt ID:	Q08174 , B4E2D8 , A8K0E7
RefSeq Size:	3845
Cytogenetics:	5q31.3
RefSeq ORF:	3180
Synonyms:	PC42; PCDH42
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Transcription Factors, Transmembrane

Product images:



Coomassie blue staining of purified PCDH1 protein (Cat# [TP307717]). The protein was produced from HEK293T cells transfected with PCDH1 cDNA clone (Cat# [RC207717]) using MegaTran 2.0 (Cat# [TT210002]).