

Product datasheet for PH307717

PCDH1 (NM_002587) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PCDH1 MS Standard C13 and N15-labeled recombinant protein (NP_002578)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207717
Predicted MW:	114.7 kDa
Protein Sequence:	>RC207717 protein sequence Red=Cloning site Green=Tags(s)

MDSGAGGRRRCPEAALLILGPPRMEHLRHSPGGQRLLLPSMLLALLLLLAPSPGHATRVVYKVPPEEQPP
NTLIGSLAADYGFPDVGHLKLEVGAPYL RVDGKTGDI FTTETSIDREGLRECQNQLPGDPCILEFEVSI
TDLVQNGSPRLLEGQIEVQDINDNTPNF ASPVITLAIPENTNIGSLFPIPLASDRDAGPNGVASYELQAG
PEAQELFGLQVAEDQEEKQPQLIVMGNLDRERWDSYDLTIKVQDGGSPPRASSALLRVTVLDTNDNAPKF
ERPSYEAELSENSPIGHSVIQVKANDSDQGANAEIEYTFHQAPEVVRRLRLDRNTGLITVQGPVDREDL
STLRF SVLAKDRGTNPKSARAQVVTVKDMNDNAPTIEIRGIGLVTHQDGMANISEDVAEETAVALVQVS
DRDEGENAAVTCVAGDVFPQLRQASETGSDSKKKYFLQTTTPLDYEKVKDYTIEIVAVDSGNPPLSSTN
SLKVQVVDVNDNAPVFTQSVTEVAF PENNKPGEVIAEITASDADSGSNAELVYSLEPEPAAKGLFTISPE
TGEIQVKTSLDREQRESYELKVVAADRGPSLQGTATVLVNVLDCNDNDPKFMLSGYNFSVMENMPALSP
VGMVTVIDGDKGENAQVQLSVEQDNGDFVIQNGTGTILSSLSFDREQQSTYTFQLKAVDGGVPPRSAYVG
VTINVL DENDNAPYITAPSNTSHKLLTPQTRLGETVSQVAAEDFDSGVNAELIYSIAGGNPYGLFQIGSH
SGAITLEKEIERRHHGLHRLVVKVSDRGKPPRYGTALVHLYVNETLANRTLLETLLGHSLDTPLDIDDIAG
DPEYERSKQRGNILFGVVAGVVAVALLI ALAVL VRYCRQREAKSGYQAGKKETKDL YAPKPSGKASKGNK
SKGKSKSPKPVKPVVEDEEAGLQKSLKFNLMSDAPGDSPRIHLPLNYPPGSPDLGRHYRSNSPLPSIQL
QPQSPSASKKHQVVQDLPPANTFVGTGDTTSTGSEQYSDYSYRTNPPKYP SKQVGVQPFQLSTPQPLPHPY
HGAIWTEVWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3

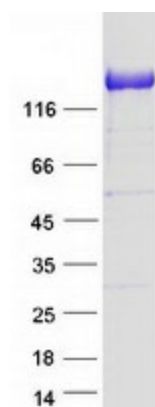


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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002578
RefSeq Size:	3845
RefSeq ORF:	3180
Synonyms:	PC42; PCDH42
Locus ID:	5097
UniProt ID:	Q08174 , B4E2D8 , A8K0E7
Cytogenetics:	5q31.3
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]).