

## Product datasheet for TP313703M

### PCDH1 (NM\_032420) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protocadherin 1 (PCDH1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213703 representing NM_032420 Red=Cloning site Green=Tags(s)

MDSGAGGRRCP EAALLLIGPPRMEHLRHSPGPGGQRLLLLPSMILLALLLLLAPSPGHATRVVYKVPEEQPP  
 NTLIGSLAADYGFDPVGHLYKLEVGAPYLRVDGKTGDIFTTETSIDREGLRECQNQLPGDPCILEFEVSI  
 TDLVQNGSPRLLLEGQIEVQDINDNTPNFASPVITLAI PENTNIGSLFPIPLASDRDAGPNGVASYELQAG  
 PEAQELFGLQVAEDQEEKQPQLIVMGNLDRERWDSYDLTIKVQDGGSPPRASSALLRVTVLDTNDNAPKF  
 ERPSYEAELSENSPIGHSVIQVKANDSDQGANAIEYTFHQAPEVVRLLRLDRNTGLITVQGPVDREDL  
 STLRFSVLAKDRGTNPKSARAQVVTVKDMNDNAPTIEIRGIGLVTHQDGMANISEDVAETAVALVQVS  
 DRDEGENAAVTCVAGDVPFQLRQASETGSDSKKKYFLQTTTPLDYEKVKDYTIEIVAVDSGNPPLSSTN  
 SLKVQVVDVNDNAPVFTQSVTEVAF PENNKPGEVIAEITASDADSGSNAELVYSLEPEAAKGLFTISPE  
 TGEIQVKTSLDREQRESYELKVAADR GSPSLQGTATLVLVNVLDCNDNDPKFMLSGYNFVSMENMPALSP  
 VGMVTVIDGDKGENAQVQLSVEQDNGDFVIQNGTG TILSSLSFDREQQSTYTFQLKAVDGGVPPRSAYVG  
 VTINVLDENDNAPYITAPSNTSHKLLTPQTRLGETVSQVAAEDFDSGVNAELIYSIAGGNPYGLFQIGSH  
 SGAITLEKEIERRHHGLHRLVVKVSDRGKPPRYGTALVHLYVNETLANRTLLETLLGHSLDTPLDIDIAG  
 DPEYERSKQRGNILFGWAGVVAVALLI ALAVLVRYCRQREAKSGYQAGKKETKDLYAPKPSGKASKGNK  
 SKGKKS KSPKPKVPEDEDEAGLQKSLKFNLM SDAPGDSPRIHLPLNYPPGSPDLGRHYRSNSPLPSIQL  
 QPQSPSASKKHQVVQDLPPANTFVGTGDTTSTGSEQYSDYSYRTNPPKYP SKQLPHRRVTF SATSQAQEL  
 QDPSQHSYYDSGLEESETPSSKSSSGPRLGPLALPEDHYERTTPDGSIGEMEHPENDLRPLPDVAMTGT C  
 TRECSEFGHSDTCWMPGQSSPSRRTKSSALKLSTFVPYQDRGGQEPAGAGSPSPPEDRNTKTAPVRLPLS  
 YSAFSSHSDSCKDSATLEEIPLTQTSDFPPAATPASAQTAKREIYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

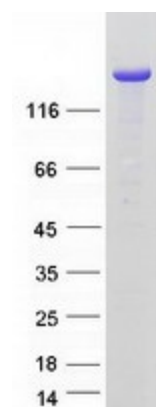
Tag:	C-Myc/DDK
Predicted MW:	130.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_115796</a>
<b>Locus ID:</b>	5097
<b>UniProt ID:</b>	<a href="#">Q08174</a> , <a href="#">B4E2D8</a>
<b>RefSeq Size:</b>	4779
<b>Cytogenetics:</b>	5q31.3
<b>RefSeq ORF:</b>	3711
<b>Synonyms:</b>	PC42; PCDH42
<b>Summary:</b>	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]
<b>Protein Families:</b>	Transcription Factors, Transmembrane

### Product images:



Coomassie blue staining of purified PCDH1 protein (Cat# [TP313703]). The protein was produced from HEK293T cells transfected with PCDH1 cDNA clone (Cat# [RC213703]) using MegaTran 2.0 (Cat# [TT210002]).