

Product datasheet for **TP323041M**

PCDH12 (NM_016580) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human protocadherin 12 (PCDH12), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA >RC223041 representing NM_016580
Clone or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MMQLLQLLLGLLPGGYLFLLGDCQEVTTLVKYQVSEEVPSGTVIGKLSQELGREERRRQAGAAFQVLQ
LPQALPIQVDSEGLLSTGRRLDREQLCRQWDPCLVDFDLATGDLALIHVEIQVLDINDHQPRFPKGEQ
ELEISESASLRTRIPDRALDPDTGPNTLHTYTLSPSEHFALDVIVGPDETKEHAELIWKELDREIHSFF
DLVLTAYDNGNPPKSGTSLVKVNVLDSDNDNSPFAESSLALAIQEDAAPGTLIKLTATDPDQGPNGEVE
FFLSKHMPEVLDTFSIDAKTGQVILRRPLDYEKNPAYEVDVQARDLGNPIPAHCKVLKVLVDVNDNIP
SIHVTWASQPSLVSEALPKDSFIALVMADDLDSGHNGLVHCWLSQELGHFRLKRTNGNTYMLLTNATLDR
EQWPKYTLTLAQDQGLQPLSAKKQLSIQISDINDNAPVFEKSRYEVTRENNLPSLHLITIKAHDADLG
INGKVSRIQDSPAHLVAIDSNTGEVTAQRSLNYEEMAGFEFQVIAEDSGQPMLASSVSVWVSLLDAND
NAPEVQPVLSDGKASLSVLVNASTGHLLVPIETPNGLGPAGTDTPLATHSSRPFLTTIVARDADSGA
NGEPLYSIRSGNEAHLFILNPHTGQLFVNVTNASSLIGSEWELEIVVEDQGSPLQTRALLRVMFVTSVD
HLRDSARKPGALSMSMLTVICLAVLLGIFGLILALFMSICRTEKKDNRAYNCREAESTYRQPKRPQKHI
QKADIHLVPLRGQAGEPCEVGQSHKDVDKEAMMEAGWDPCLQAPFHLLTPTLYRTLNRQGNQGAPAESRE
VLQDTVNLLFNHPRQRNASRENLNLPPEQPATGQPRSRPLKVGASPTGRLAGDQGSEAPQRPPASSATL
RRQRHLNGKVSPEKESGPRQILRSLVRLSVAFAERNPVEELTVDSPPVQQISQLLSLLHQGQFQPKPNH
RGNKYLAKPGGSRSAIPDTDGPSARAGGQTDPEQEGLDPEEDLSVKQLLEELSSLLDPSTGLALDRL
SAPDPAWMARLSLPLTTNYRDNVISPDAATEEPRTFQTFGKAEAPELSPTGTRLASTFVSEMSSLLEML
LEQRSSMPVEAASEALRRLSVCGRTLSLDLATSAAAGMKVQGDPPGGKTGTGEGKSRGSSSSSRCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

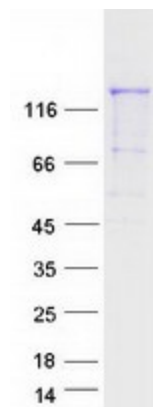
Tag: C-Myc/DDK
Predicted MW: 125.8 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_057664
Locus ID:	51294
UniProt ID:	Q9NPG4
RefSeq Size:	5210
Cytogenetics:	5q31.3
RefSeq ORF:	3552
Synonyms:	DMJDS1; VE-cadherin-2; VECAD2
Summary:	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing 6 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The gene localizes to the region on chromosome 5 where the protocadherin gene clusters reside. The exon organization of this transcript is similar to that of the gene cluster transcripts, notably the first large exon, but no significant sequence homology exists. The function of this cellular adhesion protein is undetermined but mouse protocadherin 12 does not bind catenins and appears to have no affect on cell migration or growth. [provided by RefSeq, Jul 2008]
Protein Families:	Transmembrane

Product images:



Coomassie blue staining of purified PCDH12 protein (Cat# [TP323041]). The protein was produced from HEK293T cells transfected with PCDH12 cDNA clone (Cat# [RC223041]) using MegaTran 2.0 (Cat# [TT210002]).