

Product datasheet for PH323041

PCDH12 (NM_016580) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PCDH12 MS Standard C13 and N15-labeled recombinant protein (NP_057664)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223041
Predicted MW:	128.99 kDa
Protein Sequence:	>RC223041 representing NM_016580 Red=Cloning site Green=Tags(s)

MMQLLQLLGLLGPGGYLFLLGDCQEVTTLTVKYQVSEEVPSGTVIGKLSQELGREERRRQAGAAFQVLQ
LPQALPIQVDSEEGLLSTGRRLDREQLCRQWDPCLVSFDVLTATGDLALIHVEIQVLDINDHQPRFPKGEQ
ELEISESASLRTRIPLDRALDPDTGPNLHTYTLSPSEHFALDVI VGPDETKHAELIVVKELDREIHSFF
DLVLTAYDNGNPPKSGTSLVKVNVLDSDNDNSPAFAESSLALEIQEDAAPGTLLIKLTATDPDQGPNGEVE
FFLSKHMPEVLDTFSIDAKTGQVILRRPLDYEKNPAYEVDVQARDLGNPPIPAHCKVLKVLVDVNDNIP
SIHVTWASQPSLVSEALPKDSFIALVMADDLDSGHNGLVHCWLSQELGHFRLKRTNGNTYMLLTNATLDR
EQWPKYTLTLLAQDQGLQPLSAKKQLSIQISDINDNAPVFEKSRYEVSSTRENNLPSLHLITIKAHADLGL
INGKVSYRIQDSPVAHLVAIDSNTGEVTAQRSLNYEEMAGFEFQVIAEDSGQPMLASSVSVWVSLLDAND
NAPEVVQPVLSDGKASLSVLVNASTGHLLVPIETPNGLGPAGTDTPPLATHSSRPFLLTTIYARDADSGA
NGEPLYSIRSGNEAHLFILNPHTGQLFVNVTNASSLIGSEWELEIVVEDQGSPPQLTRALLRVMFVTSVD
HLRDSARKPGALSMSMLTVICLAVLLGIFGLILALFMSICRTEKKDNRAYNCREAESTYRQPKRPQKHI
QKADIHLVPVLRGQAGEPCEVGGQSHKDV DKEAMMEAGWDPCLQAPFHLTPTLYRTLNRQGNQGAPAESRE
VLQDVTNLLFNHPRQRNASRENLNLEPPQATGQPRSRPLKVAGSPTGRLAGDQGSSEAPQRPPASSATL
RRQRHLNGKVSPEKESGPRQILRSLVRLSVAFAERNPVEELTVDSPPVQQISQLLSLLHQGFQPKPNH
RGNKYLAKPGGSRSAIPDTPGARSARAGGQTDPEQEEGPLDPEEDLSVKQLLEELSSLLDPSTGLALDRL
SAPDPAWMARLSLPLTTNYRDNVISPDAAAATEEPRTFQTFGKAEAPELSPTGTRLASTFVSEMSSLEML
LEQRSSMPVEAAASEALRRLSVCGRTLSLDLATSAAAGMKVQGDGPGKGTGTEGKSRGSSSSSRCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

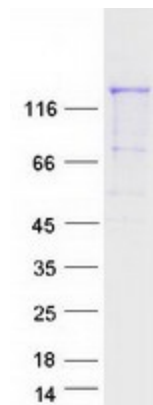
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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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_057664
RefSeq Size:	5210
RefSeq ORF:	3552
Synonyms:	DMJDS1; VE-cadherin-2; VECAD2
Locus ID:	51294
UniProt ID:	Q9NPG4
Cytogenetics:	5q31.3
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]).