

Product datasheet for **RC223041L4V**

PCDH12 (NM_016580) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PCDH12 (NM_016580) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PCDH12
Synonyms:	DMJDS1; VE-cadherin-2; VECAD2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016580
ORF Size:	3552 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223041).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_016580.2
RefSeq Size:	5210 bp
RefSeq ORF:	3555 bp
Locus ID:	51294
UniProt ID:	Q9NPG4
Cytogenetics:	5q31.3
Domains:	CA
Protein Families:	Transmembrane



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MW: 128.99 kDa

Gene 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]