

Product datasheet for **SC201358**

PCDHA1 (NM_031410) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PCDHA1 (NM_031410) Human 3' UTR Clone
Symbol:	PCDHA1
Synonyms:	PCDH-ALPHA1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_031410
Insert Size:	177 bp
Insert Sequence:	>SC201358 3'UTR clone of NM_031410 The sequence shown below is from the reference sequence of NM_031410. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GTAAGTCCAACCTTTCGAGTTTTGGCTT AA AATATTTTTTCATATTTAACTGTCTAATCATCTTTTCAA TATCACTTTAAAAATGTCTTCAAGGTGTTCACTAACGTTGAAATAAATCATACCATTGAATGTAGATA TCCTATTAATGGCAGTTTTGTCTTGAATGGAAGTAAAGAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG Restriction Sites: Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_031410.2</u>



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Summary:

This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq, Jul 2008]

Locus ID:

56147

MW:

7.4