

Product datasheet for **RG239296**

PCDH1 (NM_001278615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH1 (NM_001278615) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCDH1
Synonyms:	PC42; PCDH42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG239296 representing NM_001278615.
Blue=ORF Red=Cloning site Green=Tag(s)

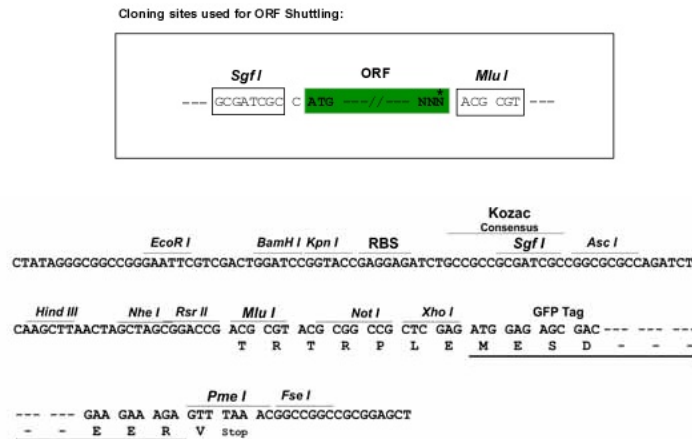
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239296
 Blue=ORF Red=Cloning site Green=Tag(s)

MNDNAPTIEIRGIGLVTHQDGMANISEDVAEETAVALVQVSDRDEGENAAVTCVVAGDVPFQLRQASET
 GSDSKKKYFLQTTPLDYEKVKDYTIEIVAVDSGNPPLSSTNSLKVQVVDVNDNAPVFTQSVTEVAFPE
 NNKPGEVIAEITASDADSGSNAELVYSLEPEPAKGLFTISPETGEIQVKTSLDREQRESYELKVVAAD
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278615

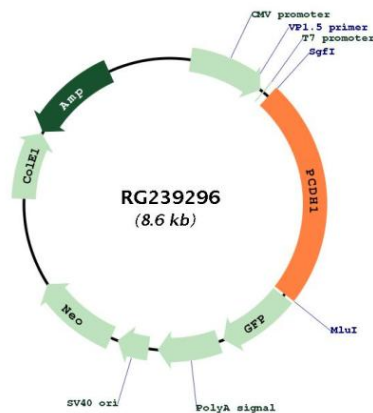
ORF Size: 2043 bp

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.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
RefSeq:	NM_001278615.1 , NP_001265544.1
RefSeq Size:	2925 bp
RefSeq ORF:	2046 bp
Locus ID:	5097
UniProt ID:	Q08174
Cytogenetics:	5q31.3
Protein Families:	Transcription Factors, Transmembrane
MW:	74 kDa
Gene Summary:	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]

Product images:



Circular map for RG239296