

Product datasheet for **SC204176**

PDE1A (NM_001003683) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PDE1A (NM_001003683) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDE1A
Synonyms:	CAM-PDE-1A; CAM-PDE 1A; HCAM-1; HCAM1; HSPDE1A
ACCN:	NM_001003683
Insert Size:	396 bp
Insert Sequence:	>SC204176 3'UTR clone of NM_001003683 The sequence shown below is from the reference sequence of NM_001003683. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCACAGAAGTGTGAGTTTATTCATCAGTAAACACCTTTAAGTAAACCTCGTGCATGGTGGCAGCTCTA ATTTGACCAAAAGACTTGGAGATTTTGATTATGCTTGCTGGAAATCTACCCTGTCCTGTGTGAGACAGG AAATCTATTTTTGCAGATTGCTCAATAAGCATCATGAGCCACATAAATAACAGCTGTAAACTCCTTAAT TCACCGGGCTCAACTGCTACCGAACAGATTCATCTAGTGGCTACATCAGCACCTTGTGCTTTTCAGATAT CTGTTTCAATGGCATTGTGGCATTGTCTTTACCGAGTGCCAATAAATTTCTTTGAGCAGCTAATT GCTAATTTGTCAATTTCTACAATAAAGCTTGGTCCACCTGTTTTACCTTA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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_001003683.3</u>



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Summary: Cyclic nucleotide phosphodiesterases (PDEs) play a role in signal transduction by regulating intracellular cyclic nucleotide concentrations through hydrolysis of cAMP and/or cGMP to their respective nucleoside 5-prime monophosphates. Members of the PDE1 family, such as PDE1A, are Ca(2+)/calmodulin (see CALM1; MIM 114180)-dependent PDEs (CaM-PDEs) that are activated by calmodulin in the presence of Ca(2+) (Michibata et al., 2001 [PubMed 11342109]; Fidock et al., 2002 [PubMed 11747989]).[supplied by OMIM, Oct 2009]

Locus ID: 5136

MW: 14.7