

Product datasheet for **SC208255**

PDE1A (NM_005019) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PDE1A (NM_005019) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDE1A
Synonyms:	CAM-PDE-1A; CAM-PDE 1A; HCAM-1; HCAM1; HSPDE1A
ACCN:	NM_005019
Insert Size:	2000 bp



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Insert Sequence: >SC208255 3'UTR clone of NM_005019
 The sequence shown below is from the reference sequence of NM_005019. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAGAAAAACATGATGAGACACATTCAAGGCCCGAAACACCTTAAAGACTTCTGTCAATTTAAACATG
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CAACATAGAATTGGATTGGGCCATTTAATTGACTCCTATAACAAGGAATTAAGAAGAACATAAAATTTG
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TTTTTCCCTCCACAATTTGGCCTTCTTCAATCAAGCCAGATAAATTTTTGAGACAAAAGTCAGACAGT
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CTCATACTGGGAAATGGCAGTGAACCTTTTTCTGAACCCGTGGACCAGCCTGCGTCCGTCCTCCATGGT
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ATCTCTCAAAGAAGTAAATAGAAATACTACTTCTTAAATGTCATAGGAAGCATATCCACTTTGTTTCT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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: [NM_005019.7](#)

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: 77.5