

Product datasheet for **SC329425**

PDE1C (NM_001191059) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDE1C (NM_001191059) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDE1C
Synonyms:	cam-PDE 1C; DFNA74; hCam-3; Hcam3
Vector:	pCMV6-Entry (PS100001)



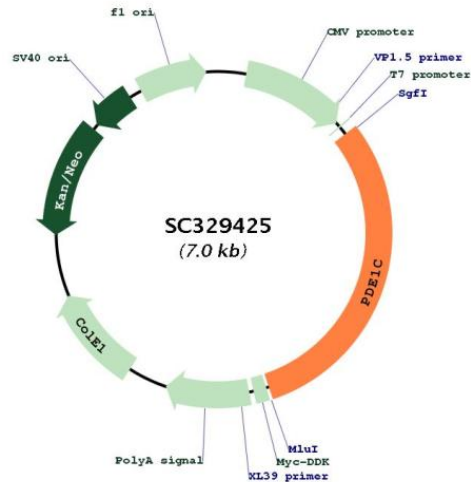
[View online »](#)

Fully Sequenced ORF: >SC329425 representing NM_001191059.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGTCGCCAACCAAGGAGATTGAAGAATTTGAGAGCAACTCTCTGAAATACCTGCAACCGGAACAG
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Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_001191059

Insert Size: 2130 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001191059.1](#)

RefSeq Size: 2888 bp

RefSeq ORF: 2130 bp

Locus ID: 5137

UniProt ID: [Q14123](#)

Cytogenetics: 7p14.3

Protein Families: Druggable Genome

Protein Pathways:	Calcium signaling pathway, Olfactory transduction, Progesterone-mediated oocyte maturation, Purine metabolism
MW:	80.8 kDa
Gene Summary:	<p>This gene encodes an enzyme that belongs to the 3'5'-cyclic nucleotide phosphodiesterase family. Members of this family catalyze hydrolysis of the cyclic nucleotides, cyclic adenosine monophosphate and cyclic guanosine monophosphate, to the corresponding nucleoside 5'-monophosphates. The enzyme encoded by this gene regulates proliferation and migration of vascular smooth muscle cells, and neointimal hyperplasia. This enzyme also plays a role in pathological vascular remodeling by regulating the stability of growth factor receptors, such as PDGF-receptor-beta. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and has multiple coding region differences, compared to variant 3. These differences result in an isoform (2) with a distinct N-terminus, compared to isoform 3. Variants 2 and 5 encode the same protein. Isoform 2 is also known as HCam-3A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>