

## Product datasheet for **SC216132**

### **PDE7A (NM\_002604) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	PDE7A (NM_002604) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDE7A
Synonyms:	HCP1; PDE7
ACCN:	NM_002604
Insert Size:	1741 bp



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**Insert Sequence:** >SC216132 3'UTR clone of NM\_002604  
The sequence shown below is from the reference sequence of NM\_002604. 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
AACTATACATATTTAGATATAGCTGGTAGAAAAATGCCACTGTTTTTATCAAGAAGGAAATATATTT
GAAATATAAAATATTAATAATTATGCTCATTCTATTTTTAAAAATAATTTAAGAAATTTACCCTTGTT
TTCCCTTGTTATGGCTCTTCTAATTCTCATTAAATTTTAGGATGTAAAAAGTATATTTTTGCAGAACAG
GCAGCAGCAATAACTTGTCTGTTCTTATGTAATAAGAATCCATTATTCGCTCATGTGGAAGCTTCT
TTTGCATCATTGGGACTGCCATTTAAAAAAGGATAGGTAAACAAAGAAATGACAAAAATAAATAAAT
AAAATAAAATGGATAGGTGGTACCCTGAGCCTGATCATAATACGAAGACCAGCTTCTGCCACTGC
CTTCCAGACTCTTACCCTGCCTGTTGATTAATCTAACTCTTCAACATCCTAGACAGGCCCTTATAA
TCTTGCTTCAAAATGCTGTGCAGCCATCTTGCCCTCAACTCCCTCTCATTGCTACAGCATCTCGGGAC
GCTTCTGTGTTTCCCAAGTATACGCTGTTCTTTGCTCTTTGTGCTCGCCAGTGCCTTCCATGTGCTT
CGTAGAGTTATTTTTCTGAAGAGGCAGCTCAAAATGTCACCTTCCAGAAAGCTGCTCTCCACTTGCTT
TAGGCAGAGTCAGTCACTTTTCTTAGATTCCAAAGTGCCTGATCCACTTGGTTGTGGATTCTGGAG
CCTAGCACACACCAGAAGCAGGAGGCCCTTGAGAACTGTGTGTGAGTGAACATAAAGTATTATA
GAAAGCATAATGAAAATGCTGTGACTGAAGTATGTGTAGCTTGTGAGGAGTTCACAGGAAAGTTG
ACTAGGATTGAGTGTGTTGGGCTTTGGGTATAAAGGAGGGGATTCTACGGGGCAGTAGCTCAACAAG
GAATAGAGGGAGGAGTGAATTTTGGTAGCTGGTGAATAGGGCTTTGAGAACTCAGACTGAACACA
GTGAAATATGTGCCCAAAGTTCAGAAAGATGAAGTTCCAGAACTAAGAAGGTAGCACAATATGTGGC
ATCATACTCAGAAAGGAAGACCATGCCATGGGGCCAGAAATTCAGAAACGTAATTTACATTGTGATT
GCAATGGATACTCATGGAAGAAAGTGGGTAGTGGCCGATTTGACTTCAGAGTGACAGGTAGAGAAGGGA
AGAGCGTGTAGAAGTGTGGCCAGACTTTAGGAGTGTGAGGGATGCTGAATCTCCAGAGAGCTCACACT
GGCCAGGAATGCTGAGAGTAGCAGATGCTTTTCTTTGGGAGGATAGTAAACAATTTAGAACCAGATA
TGCTTTGTCTTGATTCTCAAGTAGAATAATCTTCAAATGCAAAAGAATACATTAGAAATGGACAAAAGT
GGCCAGGAGCGGTAGCTCATACTTGTAAACCAGCACTTTGGGAAGCCGAGGCGGGCTGATCGCTTGAGG
TCAGGAGTTCGAGACCAGCCTGGCCAAAATAGTAAAACACGTTTCTACTAAAAATACAAAATTAGC
TGGGTGTGATGGCCACTTGGGAGGCTGAGATAGGAGAATCGCTTGAACCTGGGAGGCAGAGTTGCAGT
GAGCCAATATCGTGCCACTGCATTCCAGCCTGGGTGACAGAATGAACTCCATCACTCCATCTCAAAAA
AAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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\\_002604.2](#)

**Summary:** The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE7 subfamily. This PDE hydrolyzes the second messenger, cAMP, which is a regulator and mediator of a number of cellular responses to extracellular signals. Thus, by regulating the cellular concentration of cAMP, this protein plays a key role in many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]

**Locus ID:** 5150

**MW:** 65.8