

## Product datasheet for **SC215670**

### **PDE7A (NM\_002603) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	PDE7A (NM_002603) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDE7A
Synonyms:	HCP1; PDE7
ACCN:	NM_002603
Insert Size:	2000 bp



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**Insert Sequence:**

>SC215670 3'UTR clone of NM\_002603

The sequence shown below is from the reference sequence of NM\_002603. 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
TTATTACCTCAGGAAAATCGGTTATCATACCCCCAGAACCAGTGGGACAACTGCCTCCTGGAGGTTT
TTAGAAATGTGAAATGGGGTCTTGAGGTGAGAGAACTTAACCTTCTGACTGCCAAGGTTTCCAAGTGAGT
GATGCCAGCCAGCATTATTTATTTCCAAGATTTCTCTGTTGGATCATTGAACCCACTTGTTAATTGC
AAGACCCGAACATACAGCAATATGAATTTGGCTTTCATGTGAAACCTTGAATATGCAAAGCCAGCAGG
AGAGAATCCGAAAGGAGTAACAAAGGAAGTTTTGATATGTGCCACGACTTTTTCAAAGCATCTAATCTT
CAAACGTGAACTTGAATTGTTTCAGCAACAATCTCTTGGAAATTAACCAGTCTGATGCAACAATGTGT
ATCTTGTACCTTCCACTAAGTTCTCTGAGAAAATGGAATGTGAAGTGCCAGCCTCTGCTGCCTCT
GGCAAGACAATGTTTACAAATCAACTCTGAAAATATTGGTTCTAAATTGCCTTGGAGCATGATTGTGAA
GGAACCACTCAAACAAATTTAAAGATCAAATTTAGACTGCAGCTCTTCCCCCTGGTTTGCCTTTTTTC
TCTTTGGATGCCACAAAGCCTCCCATTTGCTATAGTTTTATTTTCATGCACTGGAACTGAGCATTTA
TCGTAGAGTACCGCAAGCTTTCCTCCAGTGCCTTTGGCAATGCAATTTTTTTTAGCAATTAGTTTT
TAATTTGGGGTGGGAGGGGAAGAACACCAATGTCTAGCTGTATTATGATTCTGCAGTGAAGACATTGC
ATGTTGTTTTCTACTGTACACTTGACCTGCACATGCGAGAAAAAGGTGGAATGTTTAAAAACCCATA
ATCAGCTCAGGGTATTTGCCAATCTGAAATAAAAGTGGGATGGGAGAGTGTGCTTCAGATCAAGGGT
ACTAAAGTCCCTTTTCGCTGCAGTGAGTGAGAGGTATGTTGTGTGAATGTACGGATGTGTTTTGCGT
GCATGTTTGTGCATGTGTGACTGTGATGTTATGTTTCTCCATGTGGGCAAAGATTTGAAATGTAAGCT
TTTATTTATTATTTAGAAATGTGACATAATGAGCAGCCACACTCGGGGGAGGGGAAGGTTGGTAGGTAA
GCTGTAACAGATTGCTCCAGTTGCCTTAAACTATGCACATAGCTAAGTGACCAAACCTTCTGTTTTGAT
TTGAAAAAAGTGCATTGTTTTCTGTCCCTCCCTTTGATGAAACGTTACCTTTGACGGGCTTTTGAT
GTGAACAGATGTTTTCTAGGACAACTATAAGGACTAATTTTAACTTCAAACATTCCACTTTTGTAAAT
TTGTTTTAAATGTTTTATGTATAGTAAGCACAATGTAATCTAGTTTTAAGAGAAACCGGTGCTTTCT
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AGCCATTTTCTGGGAGAAAGCTTGAGTGTAAAGCCATTTGTAAGGCTTTGCCATACTCATTTTAAAT
ATGTGCCTGTTGTGTTAACTTTTGTGATAAAAACCTATCTTTTCATATTTTTATCTTTGACATTTA
CCTTATAACTCAATCTTTTGGAAAACACAATGCTAAATTAACAAGGAAATCAAAGTTAGCTTCTTGGCTC
TTGTAATTCATCCCTCAGATGTTTACTCAGTCCGAGCTTATCTACTAATGACTCACCTTGAAGTGAGT
AAGCAGAAGCCCAGTTAGGGCTGTTGGAGTCTGACTAACACAGGGGAGAGGTGACGCTTTGAGCCAGGC
CTTTTGTCTACAGTGGTGAATGCATAAGACATCAGCAAGTCTTGCAAGTACTAAAATACTAGTTGT
ATTTATTTCTATCAATCATTGGCCTTTTTAAAGTGATAAGAAAAGGCCACTCCACTCTACTTGATTGA
ACGCGTAAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_002603.4](#)

**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:** 76.4