

## Product datasheet for **SC216966**

### **PDE4 (PDE4B) (NM\_001037339) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	PDE4 (PDE4B) (NM_001037339) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDE4B
Synonyms:	DPDE4; PDEIVB
ACCN:	NM_001037339
Insert Size:	1937 bp



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**Insert Sequence:** >SC216966 3'UTR clone of NM\_001037339  
 The sequence shown below is from the reference sequence of NM\_001037339. 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
ACAGAAGACAAGTCCCCGGTGGATACATAATCCCCCTCTCCCTGTGGAGATGAACATTCTATCCTTGAT
GAGCATGCCAGCTATGTGGTAGGGCCAGCCACCATGGGGGCCAAGACCTGCACAGGACAAGGGCCACC
TGGCCTTTCAGTTACTTGAGTTTGGAGTCAAGAAAGCAAGACCAGGAAGCAAAATAGCAGCTCAGGAAATC
CCACGGTTGACTTGCCTTGATGGCAAGCTTGGTGGAGAGGGCTGAAGCTGTTGCTGGGGCCGATTCTG
ATCAAGACACATGGCTTGAATAAGAAAGACACAAAAGTGAAGATCATTCTGCACTAAGTTTCGGGAAC
TTATCCCCGACAGTGAAGTCACTGACTAATAAATTCATTTATGAATCTTCTCACTTGTCCCTTTG
TCTGCCAACCTGTGTGCCTTTTTGTAAAACATTTTCATGTCTTAAAAATGCCTGTTGAATACCTGGAG
TTTAGTATCAACTTCTACACAGATAAGCTTCAAAGTTGACAAAATTTTTGACTCTTTCGGAAAAGG
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ACAGAAAGGATACACTTCTAACCACATTTTACTTCCCTTCCCTGTTGTCAGTCCAACTCCACAGTCAC
TCTTAAAACCTTCTCTGTTTGCCTGCCTCCAACAGTACTTTTAACTTTTTGCTGTAACAGAAATAAAA
TTGAACAAATTAGGGGTAGAAAGGAGCAGTGGTGTGCTTCCCGTGAGAGTCTGCATAGAAGTCAAGCA
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TCCTCTTTCACCCCGTTAGGCTGTTTTCAATGTAATGCTGCCGCTCTTCTTGCAGTGCCTTCTGCG
CTAACACCTCCATTCTGTTTATAACCGTGTATTTACTTAAATGTATATAATGTAATGTTTTGTAAG
TTATTAATTTATATATCTAACATTGCCTGCCAATGGTGGTGTAAATTTGTGTAGAAAACCTGCCTAA
GAGTTACGACTTTTTCTGTAATGTTTTGTATTGTATTATATAACCCAAACGTCACCTAGTAGAGAC
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GTTGCTACTTCTGCACAACCCCTTATGAACAGTTTTGGAAACAATATTCTCACATTAGATACTAAT
GGTTTATACTGAGCTTTTACTTTGTATAGCTTGTAGGGGCAGGGGCAATGGGATGTAGTTTTTACC
CAGGTTCTATCCAAATCTATGTGGCATGAGTTGGGTTAACTGGATCCTACTATCATTGTGGCTTTG
GTTCAAAGGAAACACTACATTTGCTCACAGATGATTCTTCTGAATGCTCCCGAAGTACTGACTTTGAA
GAGGTAGCCTCCTGCCTGCCATTAAGCAGGAATGTCATGTTCCAGTTCATTACAAAAGAAAACAATAAA
ACAATGTGAATTTTTATAATAAAATGTGAAGTGTAGCAAATACGCAAATGTGAAGCCTCTTCTGA
TAACACTTGTAGCCTTACTGATGTGAGTTTCAAGTTTGTAAAATATGTTTCATGCTTTCAGTTCAG
CATTGTGACTCAGTAATTACAGAAAATGGCACAATGTGCATGACCAATGTATGTCTATGAACACTGCA
TTGTTTACAGTGGACATTTTATCATTTCAAATGTTTCTACAATGTATGTTATAGTATTATTATA
TATTGTGTTCAAATGCATTCTAAAGAGACTTTTATATGAGGTGAATAAAGAAAAGCATGATTAGATTAA
AAAAA
ACGCGT AAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_001037339.2](#)

**Summary:** This gene is a member of the type IV, cyclic AMP (cAMP)-specific, cyclic nucleotide phosphodiesterase (PDE) family. The encoded protein regulates the cellular concentrations of cyclic nucleotides and thereby play a role in signal transduction. Altered activity of this protein has been associated with schizophrenia and bipolar affective disorder. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]

**Locus ID:** 5142

**MW:** 73.5