

Product datasheet for **SC214691**

PDE1B (NM_000924) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PDE1B (NM_000924) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PDE1B
Synonyms:	HEL-S-79p; PDE1B1; PDES1B
ACCN:	NM_000924
Insert Size:	1427 bp



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Insert Sequence: >SC214691 3'UTR clone of NM_000924
 The sequence shown below is from the reference sequence of NM_000924. 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
GAACACAACCAGAATGGGAATCTGGATTAGCCCTGGGGCTGGCCAGGTCTTCATTGAGTCCAAAGTGT
TTGATGTCATCAGCACCATCCATCAGGACTGGCTCCCCCATCTGCTCCAAGGGAGCGTGGTCTGGGAAG
AAACAACCCACCTGAAGGCCAAATGCCAGAGATTTGGGGTTGGGGAAAGGGCCCCCCCCACCTGACAC
CCACTGGGGTGCACCTTAATGTTCCGGCAGCAAGACTGGGGAACCTCAGGCTCCCAGTGGTCACTGTGC
CCATCCCTCAGCCTCTGGATTCTTTCATGGCCAGGTGGCTGCCAGGGAGCGGGAGCTTCTGGAGGC
TTCCAGGGCCTTGGGAAGGGTCAGAGATGCCAGCCCCCTGGGACCTCCCCCATCTTTTTGCCTCCA
AGTTTCTAAGCAATACATTTTGGGGTTCCCTCAGCCCCCACCAGATCTTAGCTGGCAGGTCTGGG
TGCCCCTTTTCTCCCTGGGAAGGGCTGGAATAGGATAGAAAGCTGGGGTTTTTCAGAGCCCTATGTG
TGGGGAGGGGAGTGGATTCTTCAGGGCATGGTACCTTTCTAGGACCTGGGAATGGGGTGGAGAGGACA
TCCTCTTCACCCAGAATTGCGCTGCTTCAGCCCCATCTCCAGCCTGATCCTCTGAATCTTCTTCCCT
CCCTTTCTGATACAGTGACTGGGGCAAAAGGAGCCATTGTGACCAGGGGCTGCGGGAGGCCCTTCTCTGG
GACCTTCTTGGGACTGGTCTGGGCCCTGGGGCTTGTGCGCTGCCCTGAGTCCGGAGCCCTTGGCTC
CTTCTCTCCCTGGGGCTGGGAGGCTCCATCCGACCAATGTCTGTAAAGTGCTTTGAGGATCTCCCA
GCAAAGCACCTTCAGAATGTATCGACACCAGCTGGGTTAGGGTCAAGGGTGCCTGGGGAGGGTGAGTAA
TCCTGCATTGCTAAAAGAGAGGGTCTGTCCCCTCTCCACGTCCAGAACTGGCCAGCTGCAGGCA
CTAAGAAGCTCCTCCCTGAGACAAGTGAGGGGTAGTCGGTGAAAGGCAGATGGACAAGGGGCTCAGGG
CTGCTGCCTTCTGCTCTGGAGAGAACCAGCCAGGCGGGTCCCCCTTCTCTCCTCAGGCTCCTC
CTTGCCCCACCTTGCCCCAGGAAGGCCAAAGTCCAGGTGACTGCCCTCCTTCTTTCTGTAAATACC
AACCATGCATTTGTACAGTGGGCCCTGTTTCATGCGAAATCCACATCCATGGTCTCCTAGACCTGCTACC
CTGGTACTTCCACCCTACCCACCCGAGAAGGGCAGAGACGCATGTGACTACCCCTGCCCTTGGTTTT
CCCAGACCCTGCTATAGCCAGAGAACAATAAAGAAGGGAGACCAGG
ACGCGTAAGCGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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_000924.4](#)

Summary: The protein encoded by this gene belongs to the cyclic nucleotide phosphodiesterase (PDE) family, and PDE1 subfamily. Members of the PDE1 family are calmodulin-dependent PDEs that are stimulated by a calcium-calmodulin complex. This PDE has dual-specificity for the second messengers, cAMP and cGMP, with a preference for cGMP as a substrate. cAMP and cGMP function as key regulators of many important physiological processes. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2011]

Locus ID: 5153

MW: 51.3