

Product datasheet for **SC214753**

PDE1B (NM_001165975) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PDE1B (NM_001165975) Human 3' UTR Clone
Symbol:	PDE1B
Synonyms:	HEL-S-79p; PDE1B1; PDES1B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001165975
Insert Size:	1427 bp



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Insert Sequence: >SC214753 3'UTR clone of NM_001165975
 The sequence shown below is from the reference sequence of NM_001165975. 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
TTGATGTCATCAGCACCATCCATCAGGACTGGCTCCCCATCTGCTCCAAGGGAGCGTGGTCTGGAAG
AAACAACCCACCTGAAGGCCAAATGCCAGAGATTTGGGGTTGGGGAAAGGGCCCCCCCCACCTGACAC
CCACTGGGGTGCACCTTAATGTTCCGGCAGCAAGACTGGGGAACCTCAGGCTCCCAGTGGTCACTGTGC
CCATCCCTCAGCCTCTGGATTCTTTCATGGCCAGGTGGCTGCCAGGGAGCGGGAGCTTCTGGAGGC
TTCCAGGGCCTTGGGAAGGGTCAGAGATGCCAGCCCCCTGGGACCTCCCCATCCTTTTTGCCTCCA
AGTTTCTAAGCAATACATTTTGGGGTTCCCTCAGCCCCCACCAGATCTTAGCTGGCAGGTCTGGG
TGCCCCTTTTCTCCCCTGGGAAGGGCTGGAATAGGATAGAAAGCTGGGGTTTTTCAGAGCCCTATGTG
TGGGGAGGGGAGTGGATTCTTCAGGGCATGGTACCTTTCTAGGACCTGGGAATGGGGTGGAGAGGACA
TCCTCTTCAACCCAGAATTGCGCTGCTTCAAGCCCATCTCCAGCCTGATCCTCTGAATCTTCTTCCCT
CCCTTTCTGATACAGTGACTGGGGCAAAAGGAGCCATTGTGACCAGGGGCTGCGGGAGGCCCTTCTCTGG
GACCTTCTTGGGACTGGTCTGGGCCCTGGGGCTTGTGCGCTGCCCTGAGTCCGGAGCCCTTGGCTC
CTTCTCTCCCCTGGGGCTGGGAGGCTCCATCCGACCAATGTCTGTAAAGTGTCTTGGAGATCTCCCA
GCAAAGCACCTTCAAGATGTATCGACACCAGCTGGGTTAGGGTCAAGGGTGCCTGGGGAGGGTGAGTAA
TCCTGCATTGCTAAAAGAGAGGGTCTGTCCCCTCTCCACGTCCAGAACTGGCCAGCTGCAGGCA
CTAAGAAGCTCCTCCCCTGAGACAAGTGAGGGGTAGTCGGTGAAAGGCAGATGGACAAGGGGCTCAGGG
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CTTGCCCCACCTTGCCCCAGGAAGGCCAAAGTCCAGGTGACTGCCCTCCTTCTTGTAAATACC
AACCATGCATTTGTACAGTGGGCCCTGTTTCATGCGAAATCCACATCCATGGTCTCCTAGACCTGCTACC
CTGGTACTTCCACCCTACCCACCCGAGAAGGGCAGAGACGCATGTGACTACCCCTGCCCTTGGTTT
CCCAGACCCTGCTATAGCCAGAGAACAATAAAGAAGGGAGACCAGG
ACGCGTAAGCGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-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_001165975.3](#)

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