

Product datasheet for **SC300451**

PDE4DIP (NM_001002811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDE4DIP (NM_001002811) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDE4DIP
Synonyms:	CMYA2; MMGL
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_001002811, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGAGATTTGCAGGATCTGTGCCCGAGAGCTGTGTGAAACCAGCGCGCTGGATC
TTCCACACGGCGTCCAAGCTCAATCTCCAGTTCTGCTTTCGCACGTCTTGGCAAGGAT
GTCCCCCGCATGGCAAAGCCGAGTTTCGCTTGCAGCAAGTGTGCTTTCATGCTTGATCGA
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AAGCTGCTACTGGAGAAGGATCGCCTCAAGTTCTGCATTGCCAGTATGTATCGGAAGAAT
AACGATGACTCTGGCGCGGAGATCAAGGCGGGGAATGGGACGGTTGACATGTCCGCTTA
CCCGATGCGAGATACTCTGCACTGCTCCAGGAGACTTCGCTATTCAGGGTTTGAGTGC
TGGGTGGAGAATGAGGATCAGATCCAGGAGCCACACAGCTGCCATGGTTCAGAAGGCCCT
GGAAACCACCCAGGAGATGCCGTGGTTGTGCCGCTTTCGCGGTTGCTGATTCTGACTAT
GAAGCCATTTGTAAGGTACCTCGAAAGGTGGCCAGAAGTATCTCCTGCGGCCCTTCTAGC
AGGTGGTTCGACCAGCATTTGCACTGAAGAACCAGCGTTGTCTGAGGTTGGGCCACCCGAC
TTAGCAAGCACAAAGGTACCCCCAGATGGAGAAAGCATGGAGGAAGAGACGCCTGGTTCC
TCTGTGGAATCTTTGGATGCAAGCGTCCAGGCTAGCCCTCCACAACAGAAAGATGAGGAG
ACTGAGAGAAGTGCAAAGGAAC TTGAAAGTGTGACTGTTGTTTCAGATGATCAGGCTCCG
CAGCATGGGTGTAATCACAAGCTGGAATTAGCTTTAGCATGATTAAGGTCTTGATTAT
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CTCCAGAGGGTGTACGACAGAAAGAGCGCAACTGGCTGATGCCAAACAATGTGTGCAA
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CAGGAATTGCGAAAAGCCTTGCAGCAGCTACAAGAAGAATTGCAGAATAAGAGCCAACAG

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CTTCGTGCCTGGGAGGCTGAAAAATACAATGAGATTCGAACCCAGGAACAAAACATCCAG
CACCTAAACCATAGTCTGAGTCACAAGGAGCAGTTGCTTCAGGAATTTCCGGGAGCTCCTA
CAGTATCGAGATAACTCAGACAAAACCCCTTGAAGCAAATGAAATGTTGCTTGAGAAACTT
CGCCAGCGAATACATGATAAAGCTGTTGCTCTGGAGCGGGCTATAGATGAAAAATCTCT
GCTCTAGAAGAGAAAAGAAAAGAACTGCGCCAGCTTCGTCTTGTGTGAGAGAGCGAGAT
CATGACTTAGAGAGACTGCGCGATGTCTCTCCTCCAATGAAGCTACTATGCAAAGATG
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CTCCAGTGGCTGAAAGAAGAAATGGAAACCAAATTTAGCCGTTGGCAGAAGGAACAAAGAG
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ATGCAGATACCTTCCAGAGATGATAGCACTTCATTGACTGCCAAAGAGGATGTCAGCATA
CCCAGATCCACATTAGGAGACTTGGACACAGTTGCAGGGCTGGAAAAAGAACTGAGTAAT
GCCAAAGAGGAACTTGAACCTCATGGCTAAAAAAGAAAGAGAAAGTCAAGTGGAACTTTCT
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CGGGAAAAAGTTGCTTCAGTAGAATCCCAGGGTCAAGAAATTTCCAGGAAACCGAAGACAA
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GGAGGTGCAGCTGCAGGGGATGACACCGAAGATACAAGCACTGAGTTCAGTGCAGTATT
GAGGAGGAGGCTGCACACCATAGTCACCAGCAACTATAG
    
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Restriction Sites:

Please inquire

ACCN:

NM_001002811

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001002811.1](#), [NP_001002811.1](#)

RefSeq Size: 5355 bp

RefSeq ORF: 3399 bp

Locus ID: 9659

UniProt ID: [Q5VU43](#)

Cytogenetics: 1q21.2

Gene Summary: The protein encoded by this gene serves to anchor phosphodiesterase 4D to the Golgi/centrosome region of the cell. Defects in this gene may be a cause of myeloproliferative disorder (MBD) associated with eosinophilia. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2010]
Transcript Variant: This variant (5) lacks multiple 5' and 3' exons but has an alternate 5' exon and an alternate 3' exon, compared to variant 1. The resulting isoform (5) has a shorter and distinct N-terminus and a truncated C-terminus compared to isoform 1.