

## Product datasheet for **SC103817**

### **PDE4DIP (AK023588) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PDE4DIP (AK023588) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDE4DIP
Synonyms:	CMYA2; MMGL
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for AK023588, the custom clone sequence may differ by one or more nucleotides

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AGTTTTGTATTTTTAGTAGAGATGGGTTCCACCATGTTGGTCAGGCTGGTCTCGAACTCCTGACCTCAT
GATCCGCCACCTCAGCCTCCCAAAGTGTGGATTACAGGTGTGAGCTACCACGCTGGCCTATTATGA
TTTTAATGAAGTTTGTACATAACCAAGTACTTGTCAATTTCTGATGAGAACACTGAAAGTTAGGGCATG
TAGTGCCAACTTTTGGCAGTATTTCTTACAGGTGGTGGCGTGTCTTCCATCAGGAGTCATGTAATGTT
TGGTGATCTCTCGTGATGTTAGCAGCTGTTGCTGTTTGTATGCCTTATCCCTTAATTCATTAAGGGTTGCA
AAATGGAGATATCCTAATGCTATCATTTTTTTCATCTGTTAGTGAAAGTTTACTTACATAAAAACTTCAT
CTCTTCTGCTTCTGCTAATGGTAACCATTCTTTTTCAGTATCATAATAAGCTTGTAAACAAATTTGAT
GTGTTTTATAGTGCCAGCTAAAGTAGAAGACATCATTAGAACAACATGACATCTTCCATAAACTTC
CTTTGTTACTATACTGCATGGATTATTGGTTTGTGCTGTAGAGCCCTATTCATGTTCTCATTTTCTTTT
CCATTACTGGCTGATAGTAATAGGATATGCAAAGCATTGCTCAGTGTAAAAATGTAACATGGCAGA
CATTGTTTCTCTTTTACAGATGGAACCTTCTGCTCTACAGTCCATGATGGCTGTGCAGGAAGAAGAGC
TGCAGGTGCAGGCTGCTGATATGGAGTCTCTGACCAGGAACATACAGATTAAGAAGATCTCATAAAGGT
CTTTCAAACTTTTTAAAGACCACTGGAATGTTACAGCTCAGAATACCTGTAGGGCTCTTCAGACAA
TATTTGCACACATCGAATCCCTTGGCCAGTGATTATCCATATCCCACTTGAAAGTATAGGCAGAATATTT
CAAGACATTTGTTCCCGTGTACTCTGTGAATAATCCTTTTATTAATTTTTCACATCCATACTTATTT
TTTGACTTCTAGGACCTGCAAAATGCAACTGGTTGATCCTGAAGACATACCAGCTATGGAACGCTGACCC
AGGAAGTCTTACTTCTCGGGAAAAAGTTGCTTCAAGTAAATCCAGGGTCAAGAAATTTAGGAAACCG
AAGACAACAGGTAAGTTACTGGAATATAAACCTTATTTATTTATTTACATTTTTTTGTATCTTTTTTTTT
TTTTTTTTAGTAGAGATGGAGTTTACCATGTTGGTCAGGCTAGTCTTGGACTCTGACTGCAAGTATCC
ATCCTCCTCGGCCCTCAAAGTGTGAAATTACATACAAGCATGATCACCACATTGAGACAAGGTCTCA
CTGTGTACCCAGGCAGGAGTGCAGTGGTATGATCACAGCTCACTGCAGCCTCAAACCTCTGGGGCTCAAG
GAATCTTCTGCCTCAGCCTCCTGAGTAGCTGGAGCTGCAGGTGCACACCACCACGCCCGCTCAAACCT
TATTTTTCTACTGTGAAATAAACCATGGTAAAGCTGTCAATCTCAGCTATTTGTGGAGGGTTAGTTGATG
GTATTTCTAGAGAACTGTGCTCTAAAATTTCTACTTTGGTCGGTAGCAGCTATAGATGCCCTTTCT
GACATTTGTAGTTCTGAAAAGAGCAGCAGTTCTTTGGACACATACCAATAGTTATCCCTCACACTCATA
CCTAAGTCACCTCCCTCAACTGAATCTTCTCTTTTATCTGCATTAACCATGTTTCAGATCTCTCCAGT
T
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for AK023588 unedited

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TGATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCAGGTGTGAGCTACCACGC
CTGGCCTATTATGATTTTTAATGAAGTTTGTACATAACCAAGTACTTGTCAATTTCTGATG
AGAACACTGAAAGTTTAGGGCATGTAGTGCCAACCTTTTGGCAGTATTTCTTACAGGTGG
TGGCGTGTCTTCCATCAGGAGTCATGTAATGTTTGGTGATCTCTCGTGATGTTAGCAGC
TGGTGTGTTTGTATGCCTTATCCCTTAATTCATTAAGGGTTGCAAAATGGAGATATCCTA
ATGCTATCATTTTTTTCATCTGTTAAGTGAAGTTTACTTACATAAAAACTTCATCTCTTC
TTGCTTCTGCTAATGGTAACCATTCTTTTTCAGTATCATAATAAGCTTGTAAACAAAT
TGATGTGTTTTATAGTGCCAGCTAAAGTAGAAGACATCATTAGAACAACATGACATCT
TCCATAAACTTCCTTTGTTACTATACTGCATGGATTATTGGTTTGTGCTGTAGAGCC
CTATTCATGTTCTCATTTTCTTTTCCATTACTGGCTGATAGTAATAGGATATGCAAAGC
ATTTGCCTCAGTGTTAAATGTAACATGGCAGACATTGTTTCTCTTTTACAGATGGA
ACTTTCTGCTCTACAGTCCATGATGGCTGTGCAAGAAGAAAAGCTGCAGGTGCAAGCTGC
TGATATGGAGTCTCTGACCAGGAACATACAGATTAAGAAGATCTCATAAAGGGTCTTTT
AAAATTTTTTAAAGCACTGGNAATGTCCACAGCTCANAATACCTGTAGGGCTCTTCA
GACATATTTGCCACATCGAATCCCTGGCCAGTGATATCCATATCCACTTGAAGTATANGC
AGAATATTTCAGAACATTTGTCCCGTC
    
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**Restriction Sites:**

NotI-NotI

<b>ACCN:</b>	AK023588
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">AK023588.1</a>
<b>RefSeq Size:</b>	1821 bp
<b>RefSeq ORF:</b>	1821 bp
<b>Locus ID:</b>	9659
<b>Cytogenetics:</b>	1q21.2
<b>Gene Summary:</b>	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]