

Product datasheet for **SC105995**

PDE4DIP (BC005949) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDE4DIP (BC005949) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDE4DIP
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC005949, the custom clone sequence may differ by one or more nucleotides

```
AGAGCAGTGAGCCAGTCCCGAGTCCCGGAGAGAGCTCCAGCAATAGGGGCCATGTCGCCATAGCCCCAG
CCTCTCGGTCCGCAGCCTCAGCAGCGTCCCAGCCGGCTGGCTTCATGCTGCGGTGCAGCTGCACCATGTT
CCTGGGTTGAGGGGGCAATCGGGCAGCTCCTCCCATGGGTTGCCATCATGTCTAATGGATATCGCAC
TCTGTCCCAGCACCTCAATGACCTGAAGAAGGAGAACTTCAGCCTCAAGCTGCTCATCTACTTCTGGAG
GAGCGCATGCAACAGAAGTATGAGGCCAGCCGGGAGGACATCTACAAGCGGAACACTGAGCTGAAGGTTG
AAGTGGAGAGCTTGAAACGAGAAGTCCAGGACAAGAAACAGCATCTGGATAAAACATGGGCTGATGTGGA
GAATCTCAACAGTCAGAATGAAGCTGAGCTCCGACGCCAGTTTGAGGAGCGACAGCAGGAGACGGAGCAT
GTTTATGAGCTCTTGAGAATAAGATCCAGCTTCTGCAGGAGGAATCCAGGCTAGCAAAGAATGAAGCTG
CGCGGATGGCAGCTCTGGTGGAAGCAGAGAAGGAGTGTAACCTGGAGCTCTCAGAGAACTGAAGGGAGT
CACCAAAACTGGGAAGATGTACCAGGAGACCAGGTCAAGCCCGACCAATACACTGAGGCCCTGGCCCAG
AGGGACAATCCTTCAACTGACAGCTTAAAGAACTTCAGGTTGTTCTGATTCTTGAGCCTCCTCTACAGT
TCAGAGAGGACTTTCATTTTATTTGGATCAAATGCTCCACAAGTAACTGAACTGGAATTAATTTTAT
ATGAAGTTCCTAGATGATTTAAAGCTGTAGAAGAAGAATAATGAATCATAAGAAAACCTGCTGCTACAG
ACATCAAAAAGGAATGTTACCATCCCTCATGCTAATCCTTTTCAATTTAAATAAACAGGATCTAAAAAAA
ATAATGCTGGGAAGTCTAACCATCAAGAATGCCTCAGATCAGTGACCAAGGAACCTTCCAGAATGG
ATGAAATAGACCCAAAGCCGAATTCACCTAATTTTAGGGCCAAAAACCAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC005949 unedited TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTCACGCAGCATGT TCCTCTGTGAGGGATTCCGCAAATATCTCCCTGAGGTAAAAAAGGAAAGTGTGCTGCGCT CCAGCACCCAGAGCAGTGAAGCCAGTCCCGAGTCCCGGAGAGAGCTCCAGCAATAGGGGC CATGTGCGCATAGCCCCAGCCTCTCGGTCCGACGCTCAGCAGCGTCCCAGCCGGCTGGC TTCATGCTGCGGTGCAGCTGCACCATGTTCTGGGTTGAGGGGGCAATCGGGCACGCTCC TCCCCATGGGTTGCCCATCATGTCTAATGGATATCGCACTCTGTCCCAGCACCTCAATGA CCTGAAGAAGGAGAACTTCAGCCTCAAGCTGCGCATCTACTTCTGGAGGAGCGCATGCA ACAGAAGTATGAGGCCAGCCGGGAGGACATCTACAAGCGGAACACTGAGCTGAAGTTGA AGTGGAGAGCTTGAAACGAGAACTCCAGGACAAGAAACAGCATCTGGATAAAACATGGGC TGATGTGGAGAATCTCAACAGTCAGAAATGAAGCTGAGCTCCGACGCCAGTTTGAGGAGCG ACAGCAGGAGACGGAGCATGTTTATGAGCTCTTGGAGAATAAGATGCAGCTTCTGCAGGA GGAATCCNAGCTAGCANAGAATGAAGCTGCGCGGATGGCAGCTCTGGTGGAAAGCAGAGAA GGAGTGTAACTGGAGCTCTCAGAGAACTGAAGGGAGTCACCANNACTGGGAAGATGT ACCNAGAGACCANNGTCAGCCCCACCAATACACTNGAGGCCCTGCCCCAGAGGGNACAGT AGGTGCCTTNCGGNGCTCTTTNTGCCGCTTGCTTTNGCCATTCTCAGGCATACACAGCT GTCTGGTCCCTTTCAGGACTGACAGTAGA
Restriction Sites:	NotI-NotI
ACCN:	BC005949
Insert Size:	4100 bp
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).
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:	<ol style="list-style-type: none"> 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:	<u>BC005949.1</u>
RefSeq Size:	1130 bp
RefSeq ORF:	1130 bp
Locus ID:	9659
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]