

## Product datasheet for RC215787

### PDE4DIP (NM\_001002811) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PDE4DIP (NM_001002811) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDE4DIP
Synonyms:	CMYA2; MMGL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC215787 representing NM_001002811 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGGATCGC

ATGAAGGAGATTTGCAGGATCTGTGCCCGAGAGCTGTGTGAAACCAGCGGCGCTGGATCTTCCACAGG  
CGTCCAAGCTCAATCTCCAGGTTCTGCTTTCGCACGTCTTGGCAAGGATGTCCCCCGCATGGCAAAGC  
CGAGTTCGCTTGCAGCAAGTGTCTTTCATGCTTGATCGAATCTATCGATTTCGACACAGTATTGCCCCG  
ATTGAAGCGCTTCTATTGAGCGCTTGCAAAAGCTGCTACTGGAGAAGGATCGCCTCAAGTTCTGCATTG  
CCAGTATGTATCGGAAGAATAACGATGACTCTGGCGCGGAGATCAAGGCGGGAATGGGACGGTTGACAT  
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TGGGTGGAGAATGAGGATCAGATCCAGGAGCCACACAGCTGCCATGGTTCAGAAGGCCCTGGAAACCGAC  
CCAGGAGATGCCGTGGTTGTGCCGCTTTCGCGGTTGCTGATTCTGACTATGAAGCCATTTGTAAGGTACC  
TCGAAAGGTGGCCAGAAGTATCTCTGCGGCCCTTAGCAGGTGGTTCGACCAGCATTGCACTGAAGAA  
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AGATGAGGAGACTGAGAGAAGTCAAAGGAACTTGGAAAGTGTGACTGTTGTTTCAGATGATCAGGCTCCG  
CAGCATGGGTGTAATCAAGCTGGAATTAGCTCTTAGCATGATTAAGGTTCTTGATTATAAGCCATCC  
AGAGCCCCGAGGGAGCAGGCTTCCGATTCCAGTGAATCCAGCCTACCTGGAGCCAAGCCTGGCCCTAG  
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TATCCCTTGGAGCTTTCAGACCTGCAGGAGCTGTGGGATGATCTCTGTGAAGATTATTTGCCGCTCCGGG  
TCCAGCCCATGACTGAAGAGTTGCTGAAACAACAAAAGCTGAATTCACATGAGACCACTATAACTCAGCA  
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GCCAACCTGAAATACAGAAGCTCCAGAGGGTGGTACGACAGAAAGAGCGCAACTGGCTGATGCCAAACA  
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 AGGTGTTACGCAGTGGCTAGAAGAAGTCTTGGAAGAAGCTTGAGCGCTTAAACAGGCTGGAGACCCT  
 GGCCGCCATTGGAGGTGCACTGCAGGGGATGACACCGAAGATACAAGCACTGAGTTCAGTCTGACAGTATT  
 GAGGAGGAGGCTGCACACCATAGTACCAGCAACTA

ACGGTACGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215787 representing NM\_001002811  
 Red=Cloning site Green=Tags(s)

MKEICRICARELCGNQRRWIFHTASKLNLQVLLSHVLGKDVPRDGKAFAFACSKCAFMLDRIYRFDTVIAR  
 IEALSIERLQKLLLEKDRLEKFCIASMYRKNNDSSGAEIKAGNGTVDMVLPDARYSALLQEDFAYSGFEC  
 WVENEDQIQEPHSCHGSEGPGRPRRCGCAALRVADSDYEAIICKVPRKVARISICGPSSRWSTSICTEE  
 PALSEVGPPDLASTKVPPDGESMEEETPGSSVESLDASVQASPPQKDEETERSAKELGKDCSSDDQAP  
 QHGCNHLKLELALSMIKGLDYKPIQSPRGSRLPIPVKSSLPGAKGPSMTDGVSSGFLNRSKPLKYPVVS  
 YPLELSDLQELWDDLCEYLPLRVQPMTEELLKQKLNHSHETTITQQSVSDSHLAELEQEIQQTEATNKI  
 LQEKLNEMSYELKCAQESSQKQDGTIQNLKELKSRERETEELQVIEGQNDMAKLREMLHQSGLQLH  
 SSEGTSPAQQVALLDLQSALFCSQLEIQKLQRVVRQKERQLADAKQCQVFVEAAHSESEQKEASWKHN  
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 EANEMLLEKLRQRIDHKAVALERAIDEKFSALEEKEKELRQLRLAVRERDHDLERLRDVLSSNEATMQSM  
 ESLLRAKGLVEQLSTTCQNLQWLKEEMETKFSRWQKEQESIQQQLTSLHNRNKEVEDLSATLLCKLGP  
 GQSEIAEELCQRLQRKERMLQDLLSDRNKQVLEHEMEIQGLLQSVSTREQESQAAAEKLVQALMERNSEL  
 QALRQYLGGRDSLMSQAPISNQQAQEVPTGCLGKQTDQGSQIPSRDDSTSLTAKEDVSIIPRSTLGDLDL  
 VAGLEKELSNAKEEELMAKKERESQMEALSQSMMAVQEEELQVQAADMESLTRNIQIKEDLIKDLQMQ  
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 EEEAAHSHQQL

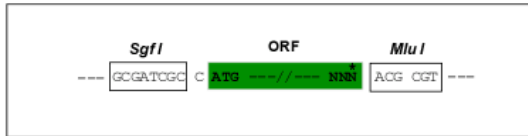
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

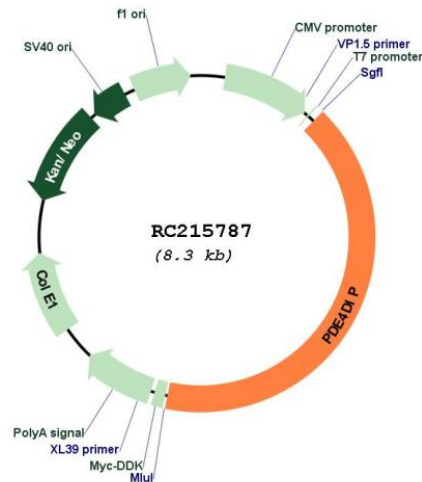
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001002811

ORF Size: 3396 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq: [NM\\_001002811.1](#), [NP\\_001002811.1](#)

RefSeq Size: 5355 bp

RefSeq ORF: 3399 bp

Locus ID: 9659

MW: 128.3 kDa

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]