Product datasheet for RC213961

PDE4DIP (NM_001002810) Human Tagged ORF Clone

Product data:

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Product Type:	Expression Plasmids
Product Name:	PDE4DIP (NM_001002810) 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:	>RC213961 representing NM_001002810 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTCTAATGGATATCGCACTCTGTCCCAGCACCTCAATGACCTGAAGAAGGAGAACTTCAGCCTCAAGCTGCGCATCTACTTCCTGGAGGAGCGCATGCAACAGAAGTATGAGGCCAGCCGGGAGGACATCTACAAGCGGAACATTGAGCTGAAGGTTGAAGTGGAGAGCTTGAAACGAGAACTCCAGGACAAGAAACAGCATCTGGATAAAACATGGGCTGATGTGGAGAATCTCAACAGTCAGAATGAAGCTGAGCTCCGACGCCAGTTTGAGGAGCGACAGCAGGAGACGGAGCATGTTTATGAGCTCTTGGAGAATAAGATCCAGCTTCTGCAGGAGGAATCCAGGCTAGCAAAGAATGAAGCTGCGCGGATGGCAGCTCTGGTGGAAGCAGAGAAGGAGTGTAACCTGGAGCTCTCAGAGAAACTGAAGGGAGTCACCAAAAACTGGGAAGATGTACCAGGAGACCAGGTCAAGCCCGACCAATACACTGAGGCCCTGGCCCAGAGGGACAAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC213961 representing NM_001002810 Red=Cloning site Green=Tags(s) MSNGYRTLSQHLNDLKKENFSLKLRIYFLEERMQQKYEASREDIYKRNIELKVEVESLKRELQDKKQHLDKTWADVENLNSQNEAELRRQFEERQQETEHVYELLENKIQLLQEESRLAKNEAARMAALVEAEKECNLELSEKLKGVTKNWEDVPGDQVKPDQYTEALAQRDK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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Cloning Scheme:

Plasmid Map:
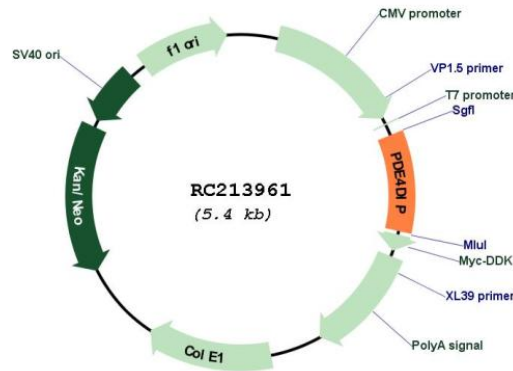
ACCN:	NM_001002810
ORF Size:	519 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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.

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_001002810.4
RefSeq Size:	1278 bp
RefSeq ORF:	522 bp
Locus ID:	9659
UniProt ID:	Q5VU43
Cytogenetics:	1q21.2
MW:	20.7 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]