

Product datasheet for RC214012

PDE4DIP (NM_014644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDE4DIP (NM_014644) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PDE4DIP
Synonyms:	CMYA2; MMGL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214012 representing NM_014644 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC214012 representing NM_014644
 Red=Cloning site Green=Tags(s)

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 EQFIVSQLTRTHDVLKKARTNLEVKSLRALPCTPAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014644

ORF Size: 7038 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_014644.4](#), [NP_055459.4](#)

RefSeq Size: 8380 bp

RefSeq ORF: 7041 bp

Locus ID: 9659

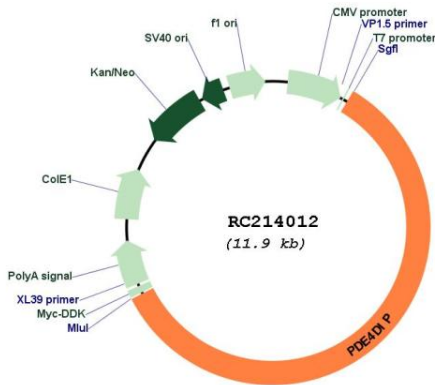
UniProt ID: [Q5VU43](#)

Cytogenetics: 1q21.2

MW: 265.1 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]

Product images:



Circular map for RC214012