

Product datasheet for **RG222969**

PLA2G4D (NM_178034) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLA2G4D (NM_178034) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLA2G4D
Synonyms:	cPLA2delta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG222969 representing NM_178034
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAGCCTGTCACCTGGGGACCACCTGGCCACCCTTACCAGGGGGAGGCCTCTACCTGCTGGCAGC
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ATGAGGACTCAGTCACGGAGGATGACATCTGCTCAAGGTTCTCTATGACATCTCAGAAGTCTCCCTGG
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TACATGGCAGCCCTAGAGACAGAGCTGAGCGGGCGCTGAGGAGCTCCAGAAGCAATGGCTGGAATGGGG
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TCCTGCTCCAATGCCCCAGGAGTGAGGCTGCAGCTCAAGGCAGAGGGCTGCCCTGAGGAGCTGGCCGTG
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GTGCCATCTGCAGGCCCTGAGGACCGCTGAAGCACCGGACTCTAGAGGCGAGGCTCCAAGGGCACA
GACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG222969 representing NM_178034
 Red=Cloning site Green=Tags(s)

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MESLSPGGPPGHPYQGEASTCWQLTVRVLEARNLRWADLLSEADPYVILQLSTAPGMKFKTKLTDTSHP
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EETSDRPENLITNKVIVARELSCLDVHLDSTGSTAVVADQDKLELELVLKGSYEDTQTSFLGTASAFRFH
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LDCVTFYSGISGSTWTMAHLYGDPEWSQRDLEGP IRYAREHLAKSKLEVFSPERLASRRELELRAEQGH
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MTYKEEDFERLLRLSDYNVQTSQGAILQALRTALKHRTLEARPPRAQT
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_178034.4](#)

RefSeq Size: 3584 bp

RefSeq ORF: 2457 bp

Locus ID: 283748

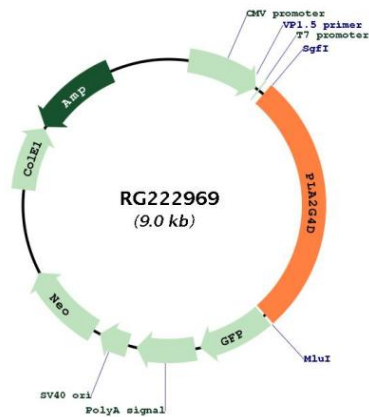
UniProt ID: [Q86XP0](#)

Cytogenetics: 15q15.1

Protein Pathways: Fc gamma R-mediated phagocytosis

Gene Summary: The phospholipase A2 enzyme family, including PLA2G4D, catalyze the hydrolysis of glycerophospholipids at the sn-2 position and then liberate free fatty acids and lysophospholipids (Chiba et al., 2004 [PubMed 14709560]).[supplied by OMIM, Jun 2009]

Product images:



Circular map for RG222969