

## Product datasheet for **RC213466**

### PLA2G2E (NM\_014589) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PLA2G2E (NM\_014589) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PLA2G2E  
**Synonyms:** GIIE sPLA2; sPLA2-IIIE  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC213466 representing NM\_014589  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAATCTCCCCACGTGCTGGTGTTCCTTTGCTCCTGGTGGCTCTGGTCACCGGGAACCTGGTTCAGT  
TTGGGGTGATGATCGAGAAGATGACAGGCAAGTCCGCCCTGCAGTACAACGACTATGGCTGTACTGCGG  
CATCGGTGGCTCCACTGGCCGGTGGACCAGACTGACTGGTGTGCCACGCCACGACTGCTGCTACGGG  
CGTCTGGAGAAGCTGGGCTGTGAGCCAACTGGAAAAGTATCTTTTCTCTGTCAGCGAACGTGGCATT  
TCTGCGCCGGCAGGACCCTGCCAGCGGCTGACCTGCGAGTGTGACAAGAGGGCTGCCCTCTGCTTTCG  
CCGCAACCTGGGCACCTACAACCGCAAATATGCCATTATCCCAACAAGCTGTGCACCGGCCACCCCG  
CCCTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC213466 representing NM\_014589  
Red=Cloning site Green=Tags(s)  
MKSPHVLVFLCLLVALVTGNLVQFGVMIEKMTGKSALQYNDYGCYCGIGGSHWPVDQTDWCCHAHDCCYG  
RLEKLGCEPKLEKYLFSVSEKIFCAGRTTCQRLTCECDKRAALCFRRNLGTYNRKYAHYPNKLCTGPTP  
PC

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8009\\_a06.zip](https://cdn.origene.com/chromatograms/mk8009_a06.zip)

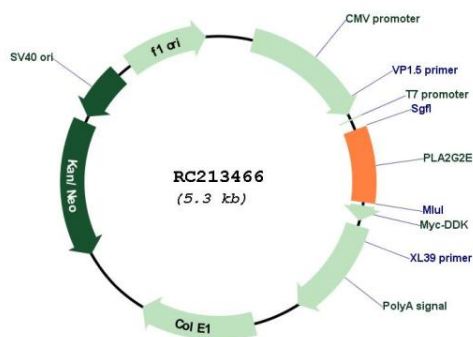


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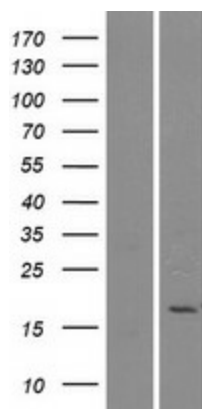


**UniProt ID:** [Q9NZK7](#)  
**Cytogenetics:** 1p36.13  
**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane  
**Protein Pathways:** alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc epsilon RI signaling pathway, Glycerophospholipid metabolism, GnRH signaling pathway, Linoleic acid metabolism, Long-term depression, MAPK signaling pathway, Metabolic pathways, Vascular smooth muscle contraction, VEGF signaling pathway  
**MW:** 15.8 kDa  
**Gene Summary:** PA2 catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. Has a preference for arachidonic-containing phospholipids. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC213466



Western blot validation of overexpression lysate (Cat# [LY415188]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213466 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).