

Product datasheet for **RC225128**

PLA2G2C (NM_001105572) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PLA2G2C (NM_001105572) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PLA2G2C
Synonyms: phospholipase A2, group IIC; phospholipase A2, group IIC (possible pseudogene)
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC225128 representing NM_001105572
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCATTGCAACTTCCTTCTTCTTTTCTCATCGGTGGTGGCAGCCCCACCCACAGCAGTTTCT
GGCAGTTTCAGAGGAGGGTCAAACACATCACGGGGCGAAGTGCCTTCTTCTCATATTACGGATATGGCTG
CTACTGTGGCTTGGGGATAAAGGGATCCCCGTGGATGACTGACAGCCCTCATCTCCCTCTCCCTAC
GAGAAGCTGAAGGAGTTCAGCTGCCAGCCTGTGTTGAACAGCTACCAGTCCACATCGTCAATGGCGCAG
TGGTTTGTGGATGCACCCTTGGTCTGGTCCAGCTGCCACTGCAGGCTGAAGGCCTGTGAGTGTGACAA
GCAATCCGTGCACTGCTTCAAAGAGAGCCTGCCACCTATGAGAAAACCTCAAGCAGTTCTCCAGCCAG
CCCAGGTGTGGCAGACATAAGCCCTGGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225128 representing NM_001105572
Red=Cloning site Green=Tags(s)
MLIATSFLLFFSSVVAAPTHSSFWQFQRRVKHITGRSAFFSYYGVCYGLGDKGIPVDDTSPSSPSPY
EKLKEFSCQPVLSYQFHIVNGAVVCGCTLGPGASCHCRLKACECDKQSVHCFKESLPTYEKNFKQFSSQ
PRCGRHKPWC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

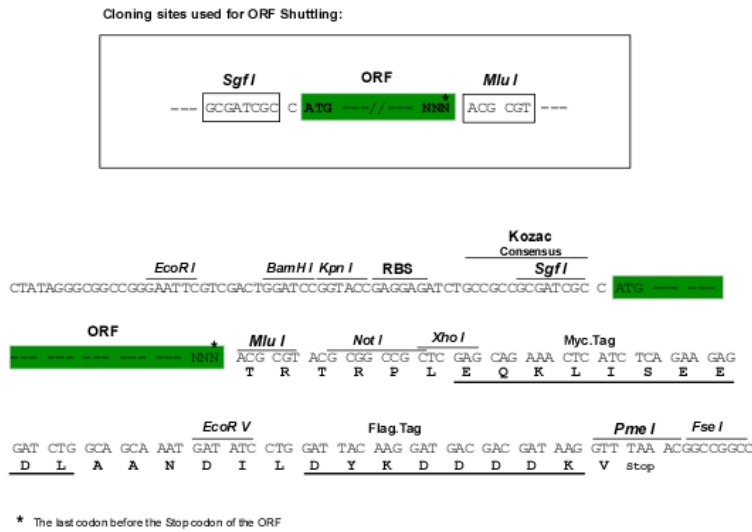
Chromatograms: https://cdn.origene.com/chromatograms/mk8034_a04.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105572

ORF Size: 453 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_001105572.1](#), [NP_001099042.1](#)

RefSeq ORF: 453 bp

Locus ID: 391013

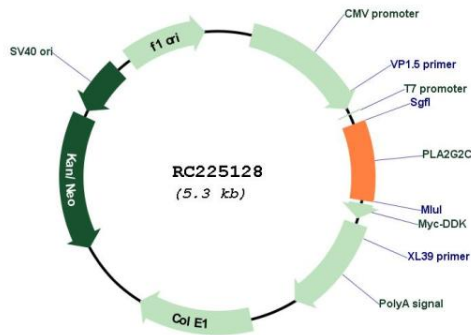
Cytogenetics: 1p36.12

Protein Families: Druggable Genome

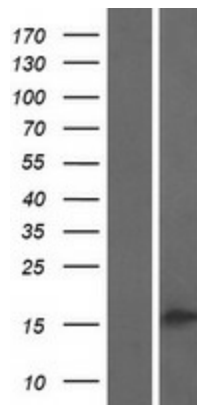
Protein Pathways: alpha-Linolenic acid metabolism, Arachidonic acid metabolism, Ether lipid metabolism, Fc epsilon RI signaling pathway, Glycerophospholipid metabolism, GnRH signaling pathway, Linoleic acid metabolism, Long-term depression, MAPK signaling pathway, Metabolic pathways, Vascular smooth muscle contraction, VEGF signaling pathway

MW: 16.7 kDa

Product images:



Circular map for RC225128



Western blot validation of overexpression lysate (Cat# [LY426282]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225128 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).