

Product datasheet for **RG212760**

PLA2G4F (NM_213600) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PLA2G4F (NM_213600) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | PLA2G4F |
| Synonyms: | PLA2G4FZ |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG212760 representing NM_213600
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

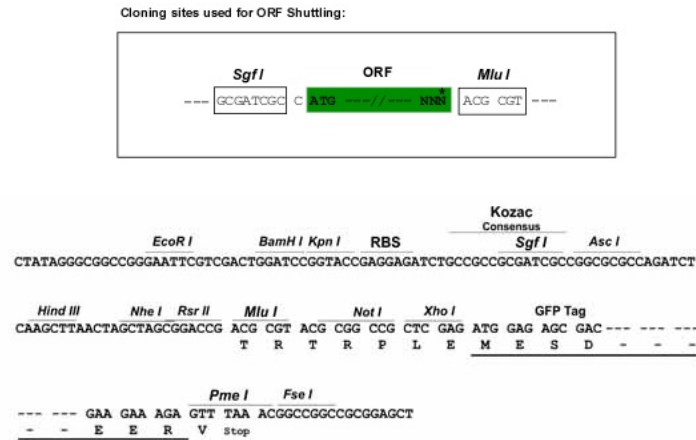
Protein Sequence: >RG212760 representing NM_213600
 Red=Cloning site Green=Tags(s)

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MLWALWPRWLADKMLPLLGA VLLQKREKRGLWRHWRRETYPPYDLQVKVLRATNIRGTDLLSKADCYVQ
LWLPTASPSPAQTRIVANCSDPEWNETFHYQIHGAVKNVLELTL YDKDILGSDQLSLLLFDLRLSKCGQP
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


- ACCN:** NM_213600
- ORF Size:** 2547 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_213600.4](#)

RefSeq Size: 3492 bp

RefSeq ORF: 2550 bp

Locus ID: 255189

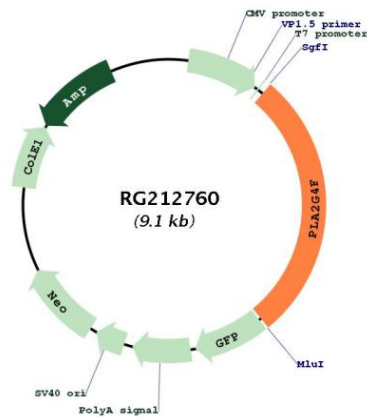
UniProt ID: [Q68DD2](#)

Cytogenetics: 15q15.1

Protein Pathways: Fc gamma R-mediated phagocytosis

Gene Summary: Calcium-dependent phospholipase A2 that selectively hydrolyzes glycerophospholipids in the sn-2 position. Has higher enzyme activity for phosphatidylethanolamine than phosphatidylcholine (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212760