

Product datasheet for **MR207007**

Pla2g7 (NM_013737) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pla2g7 (NM_013737) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pla2g7
Synonyms:	PAF-AH; R75400
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207007 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTACCACTCAAACCTGCAGGCGCTTTTCTGCCTCCTCTGCTGCCTCCCATGGGTCACCTCTTTCACT
 GGCAAGACACATCTTCTTTGACTTCAGGCCGTACAGTAATGTTTACAAGCTCCAATCGGTGATGTCTGC
 TGCCGGCTCTGGCCATAGTAAAAATCCCAAGGAAATGGATCGTACCCCGTCGGTTGTACAGATCTGATG
 TTCGGTTATGGGAATGAGAGCGTCTTCGTGCGTTTGTACTACCCAGCTCAAGATCAAGGTCGCCTCGACA
 CTGTTTGGATCCAAACAAGAATATTTTTGGGTCTTAGTATATTTCTTGAACACCCAGTATTGTAGG
 CAATATTTACACCTCTTATATGGTCTCTGACAACTCCTGCAAGCTGGAATTCCTTTGAGGACTGGA
 GAAAAATACCGCTCATTGTCTTTCTCATGGTCTCGGAGCCTCAGGACGATTTATTCTGCTATTGGCA
 TTGGCCTGGCATCTAATGGTTTATAGTGGCCACTGTGCAACACAGAGACAGATCTGCATCGGCACTTA
 CTTTTTTGAAGACCAGGTGGCTGCAAAAGTGAAAACAGGTCTTGCTTTACCTGAGAAAAGTAAAACAA
 GAGGAGTCGGAAGTGTCCGAAAGAACAGTTTCAGCAAAGAGCAATAGAATGTTCCCGGCTCTCAGTG
 CGATTCTTGACATTGAACATGGAGACCCAAAAGAGAATGTACTAGGTTACGCTTTTGACATGAAACAGCT
 GAAGGATGCTATTGATGAGACTAAAATAGCTTTGATGGGACATCTTTTGGAGGACCAACAGTTCTTCAA
 GCCCTTAGTGAGGACCAGAGATTCAGATGTGGAGTTGCTCTTGATCCATGGATGTATCCGGTGAACGAAG
 AGCTGTACTCCAGAACCCTCCAGCCTCCTCTTTATCAACTCTGCCAAATCCAGACTCCAAAGGACAT
 CGCAAAAATGAAAAGTTCTACCAGCCTGACAAGGAAAGGAAAATGATTACAATCAAGGGCTCAGTGCAC
 CAGAACCTTGACGACTTTACTTTTGTAACTGGCAAAATAATTGGAACAAGCTGACACTGAAAGGAGAAA
 TCGATTCAGAGTAGCCATCGACCTCACCAACAAGCTTCGATGGCTTTCTTACAAAAGCATTATAGGGCT
 TCAGAAAAGACTTTGATCAGTGGGACCCCTCTGGTGAAGGAGATGATGAGAACCTGATTCCTGGGTACCC
 TTTGACGCAGTCACCCAGGCCCGGCTCAGCAACTCTCCAGGATCACAGACCCAGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207007 protein sequence
 Red=Cloning site Green=Tags(s)

MVPLKLQALFCLLCLPWVHPFHQDTSFDFRPSVMFHKLQSVMSAAGSGHSKIPKNGSYYPVGCSDL
 FGYGNESVVFVRLYYPAQDQGRDLTVWIPNKEYFLGLSIFLGTSPVIGNILHLLYGLSTTPASWNSPLRTG
 EKYPLIVFSHGLGAFRTIYSAIGIGLASNGFIVATVEHRDRSASATYFFEDQVAAKVENRSLYLRKVKQ
 EESESVRKEVQVQRAIECSRALSAILDIEHGDPKENVLGSADFMDKQLKDAIDETKIALMGHSFGGATVLQ
 ALSQDFRCGVALDPWMPVNEELYSRTLQPLLFINSKAFQTPKDIKMKKFKYQPKERKMITIKGSVH
 QNFDDFTFVTGKIIGNKLTLLKGEIDSRVAIDLTKASMAFLQKHLGLQKDFDQWDPLVEGDENLIPGSP
 FDAVTQAPAQHSPGSQTQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_013737

ORF Size: 1323 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_013737.1](#), [NM_013737.2](#), [NM_013737.3](#), [NM_013737.4](#), [NM_013737.5](#), [NP_038765.2](#)

RefSeq Size: 1923 bp

RefSeq ORF: 1323 bp

Locus ID: 27226

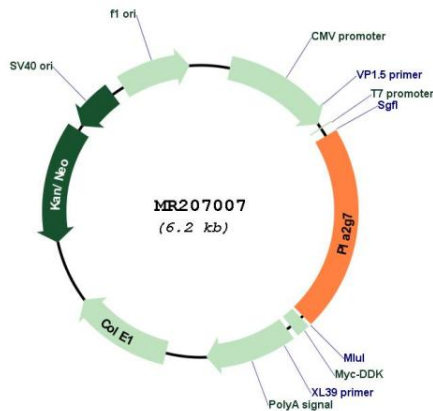
UniProt ID: [Q60963](#)

Cytogenetics: 17 B3

MW: 49.2 kDa

Gene Summary: Modulates the action of platelet-activating factor (PAF) by hydrolyzing the sn-2 ester bond to yield the biologically inactive lyso-PAF. Has a specificity for substrates with a short residue at the sn-2 position. It is inactive against long-chain phospholipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207007