

Product datasheet for **RR206950**

Pla2g7 (NM_001009353) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pla2g7 (NM_001009353) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pla2g7
 Synonyms: MGC95107
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR206950 representing NM_001009353
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGCCGCTCAAACCTGCGCGTGCTTTTCTGCCTCCTCTGCTGCCTCCCACGGGTACATCCTTTGTACT
 GGCAAGACCTTCTTTTTTCGACTTCAGGCCATCAGTAATGTTTCATAAGCTCCAATCGGTGATGTCTGC
 TGTCAGCGCTGGCCGTTGTAATAATCCCCAAAGGAAATGGATCTTACCCTGTCGGGTGTACAGACATGATG
 TTCGGTTATGGGAATGAGAGCATCTTCTTGCCTTTGTACTACCCAGCTCAAGATCAAGGTCTCATGACA
 CTGTTTGGGTCCCAAACATAGAATATTTTTGGGGTCTTAGTAAATTTCTCGGAACACCTACTTTTGTAGG
 CAACATTTGCGCCTCTTATATGGTTCTCTGACAGCTCCTGCAAGCTGGAATTTTCTTTGCGGACTGGA
 GAAAAATACCCACTAATTATCTTTTCTCACGGTCTCGGAGCCTTCAGGACAATTTATTCTGCTATTGGCG
 CTGCTTTGGCATCCTATGGGTTTATAGTGGCCACTGTGGAACATAGAGACGGATCTGCATCCGCAACTTA
 CTATTTGAAGACCAGGCAGCTGCGAAAATGAAAAACAGTCTTGGTTTTACCTGAAAAAGATAAAAAAA
 GAGGAGTCGAAAAGAGCTCGAAAAGAGCAGTTTCGGCAGAGAGCAAAAAGAAATGTTCCAAGGCTCTCAGTG
 CAATTTGACATTGAACATGGAACCCAAAAGAGAATGTACTAGGTTTACCTTTTGTATGAAACAGCT
 GAAGGATTCTATCGATGAGACTAAAATAGCTGTGATGGGGCATTCTTTTGGAGGAGCAACAGTTTTTCAA
 GCCCTAAGTGAAGACCAGAGATTAGATGTGGGATTGCCCTTGATCCGTTGGATGTTTCCCGTGAGTGAGG
 AGCTGTAAGTCCAGAGTTCTCAGCCTCTCTTTTATCAACTCTGCCAATTCCAGACTCCAAAGGACAT
 TGCAAAAATGAAAACTTCTACCAGCCTGACAAGGAAAGGAAAATGATTACGATCAAGGGCTCAGTGCAC
 CAGAATTTGCTGACGGGACTTTTGAACCTGGCAAATAATTGAAACAAGCTGTAAGTAAAGGAGACA
 TAGACTCCAGAGTTGCCATAGACCTCACAACAAGGCTTCTTGGCTTTCTTACAAAAACATTTAGGACT
 TCATAAAGACTTTGATCAGTGGGACTGTCTGGTGGAGGGAGAGAACGAGAACCTCATCCCGGGTCAACC
 TTTGATGTAGTACCCAGTCCCGGCTCTGCAGAGTTCTCCCGGATCACACAACCAAGAAAT

ACGCGTACGCGGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206950 representing NM_001009353
 Red=Cloning site Green=Tags(s)

MVPLKLRVLFCLLCLPRVHPLYWQDPSFFDFRPSVMFHLQSVMSAVSAGRCKIPKNGSYVPGCTDMM
 FGYGNESIFLRLYYPAQDQGPHTVWVPNIEYFWGLSKFLGTPTFVGNILRLLYGLTAPASWNFPLRTG
 EKYP LIIFSHLGA FRTIYSAIGAALASYGFIVATVEHRDGSASATYYFEDQAAAKMENRSWFY LKKIKQ
 EESERARKEQVRQRAKECSKALSAILDIEHGNPKENVLGLPDMKQLKDSIDETKIAVMGHSFGGATVFQ
 ALS EDQRFRCGIALDPWMPVSEELYSRVPQPLFFINSAEFQTPKDI AKMKNFYQPKERKMITIKGSVH
 QNFADGTFTGKII GNKLSLKGDI DSRVAIDL TNKASLAFLQKHLGLHKDFDQWDC LVEGENENLIPGSP
 FDVVTQSPALQSSPGSHNQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

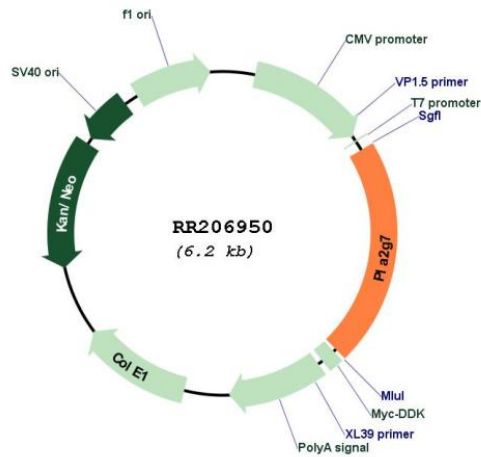
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009353

ORF Size:	1320 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:	<ol style="list-style-type: none">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_001009353.1 , NP_001009353.1
RefSeq Size:	1797 bp
RefSeq ORF:	1323 bp
Locus ID:	301265
Cytogenetics:	9q13
MW:	49.5 kDa