

Product datasheet for **RR205608**

Arhgap25 (NM_001109247) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arhgap25 (NM_001109247) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arhgap25
Synonyms:	RGD1562105
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR205608 representing NM_001109247
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCCTCAAGTTGCCAAGGAAGTGGGATTTCAACTTAAAAGTGGAGACTGTGAAAATAGCTCGGTGCGA
GGAGCGTGATGACTGGGGAGCAGATGGCGGCCTTCCACCCACCAACCACTCCCAACCCCTGAAAAGGCC
AATTAAGATGGGCTGGCTGAAGAAGCAGAGGTCCATTGTGAAAACTGGCAGCAGCGGTATTTTGTGCTG
AAAGCTCGGCAGCTCTACTACTACAAGGACGAAGAGGACTCAAAGCCACAGGGATGCATGTATCTGCCAG
GCAGCACAGTCAAAGAAATCGCCACAAACCCGGAAGAAGCTGGGAAATTTGTCTTTGAAGTTATTCCAGC
CTCAAGTGACCAGAACCCTACTGGACAAGACTCCTATGTCCTCATGGCCAGCTCCAGGTAGAGATGGAG
GAGTGGGTTAAGTTCCTCAGGAGAGTTGCTGGCACACCCTCTGGAGCGGTGTTTGGCCAGCGTCTGGATG
AGACTGTGGCCTATGAGCAGAAGTTTGGCCCTCACCTGGTGCCCATCCTGGTGGAGAAGTCTCGGAGTT
CATCCTGGAGCATGGTGTGAGTGAAGAGGGCATCTTCCGCTTGGCCGGGAGGACAACTGGTGAAGCAG
CTGAGAGATGCTTTCGATGCGGGGGAGCGGCCCTCTTTGACAGGGACACAGATGTGCACACGGTGGCCT
CTCTATTAAGCTCTACCTCCGAGACTGCCAGAGCCTGTGGTTCCTTGAGCCAGTATGAGGGTTCCT
GCTCTGTGGACAGCTCACCAACGCAGATGAGGCCAAGGCTCAGCAGGAGCTGGAGAAGCAGCTTTCATT
CTCCCCGTGACAACCTACAACCTCTGAGCTACATCTGCAGATTTCTGCATGAAATCCAGCTGAAGTGTG
CCGTCAACAAGATGAGCGTGGACAACCTGGCCACTGTGATCGGTGTGAACCTCATCAGGTGGAAGTTGA
AGACCCCGCTGTGATCATGAGAGGAAGTCTCAGATCAAAGAGTGTGACCATGATGATCAGAGACCAC
GAAGTCTCTTCCCAAGTCTAAGGATGCACACTGTACCCCTGCCAGAAAAACGATGCCAAGAAGG
CTCCAGTGCCCGAAGCTCTGTGGATGGGACGCCACCGAAGACCCACCTTTCTAGGACGGACAGCTT
CAACAACACAGCAAGTAGCCCTGATGCCACCAGCCCACTGGACCACAGCCAGGTGACCAGCATCAGGAA
GATAGTGGAAAAGCCCCAAGGAAAACCCAGGAGACTGGAAGATGCAATCCCGTAAAAGGACTCAAACGC
TCCCCAACCGAAGTGTTTCTGACATCCGATTTCCAAGCACCACTAGCAGCAAATGGAATCTTTAA
AAATGAGTTCTGGTCTCCATCTCAGAGGCTAAGGCAGGAGAAGGGCACAGGAGAATATGTCTCAAGAC
TTGCGCCACCTTCCAATGACCAGAGGACTTCTACCTATGATAATGTCCCAACCCACAGTGTCCAAG
GGAACCCAGCAGGTGAAGTCTCTCCCCTGCCAGTACTCTAAGAGAGATGCTCCTGTGAGCAGACTC
TGAATGGAGTCTGGAAGCAAGAACTCTGGCGAGGAAGACCCTGATTCTTTGAGAGGACGGTCCAGCAC
CTGCAAAAAGGAAATAGAAGCTCAGAAGCAGATGTATGAGGAACAGATTAACCACTGGAGAGGAAAT
ACGATGTCTGGGTAAGGTGGTGAAGCTCAATGAAGAAGTGGAGAGGGAGAGGAAGAAATTCGCAGCCCT
GGAAATCAGCCTTCGAAATGTGGAGCGCTCCCGAGAGGACGTTGAGAAGGGAACAGAGTCTTGGAGAA
GAAGTCAAGGAGTTTGTGAAATCAATGGAGAAGTCCAAGACGAAGACCGATGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205608 representing NM_001109247
 Red=Cloning site Green=Tags(s)

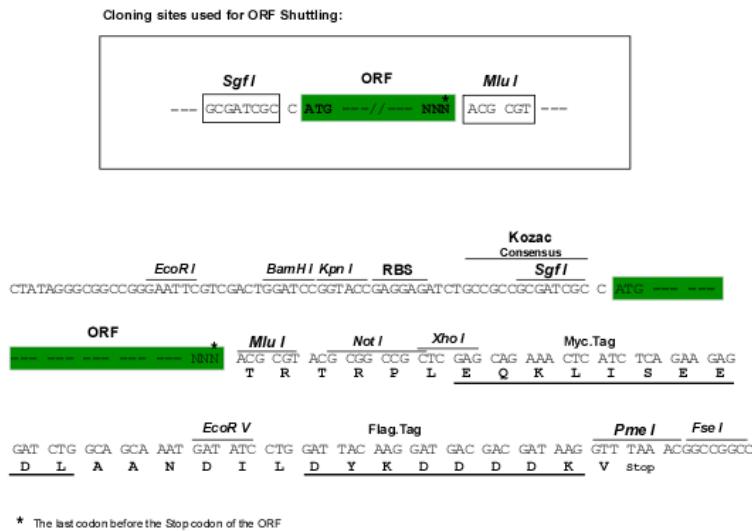
MSLKLPRNWDFNLKVETVKIARSRVMTGEQMAAFHPPTTPNPLERPIKMGWLKKQRSIVKNWQQRVFL
 KARQLYYYKDEEDSKPQGCMYLPGSTVKEIATNPPEAGKFVFEVIPASSDQNRGTGDSYVLMASSQVEME
 EWWKFLRRVAGTPSGAVFGQRLDETVAYEQKFGPHLVPILVEKCEF ILEHGVSEEGIFRLPGQDNLVKQ
 LRDAFDAGERPSFDRD TDVHTVASLLKLYLRDLPEPVVPSQYEGFLLCGQLTNADEAKAQELEKQLSI
 LPRDNYNLLSYICRFLHEIQLNCAVNKMSVDNLATVIGVNLIRSKVEDPAVIMRGTPQIQRVMTMMIRDH
 EVLFPKSKDAPLSPPAQKNDAKKAPVPRSSVGDATEDPPLSRTDSFNNTASSPDATSPTGPQPGDQHQE
 DSGKAPKENPGDWKMQSRKRTQTLPNRKCFLTSAFQGTSSKLEIFKNEFWSPSSEAKAGEGHRRTMSQD
 LRHLSDNQRSTSYDNVNPVPSQGNPAGELSPASDSKRDAPVSTDSEMSGSKNSGEEDPDSLQRTVQH
 LQKEIEAQKQMYEEQIKNLEKENYDVWAKVVRLNEELERERKKFAALEISLRNVERSREDVEKRNRLVEE
 EVKEFVKSMEKSKTKTDA

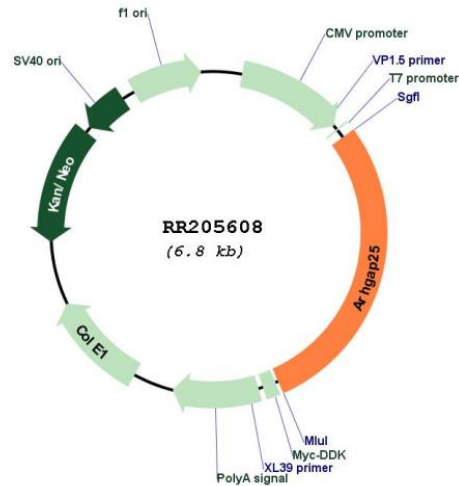
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001109247

ORF Size: 1944 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_001109247.1](#), [NP_001102717.1](#)

RefSeq Size: 3412 bp
RefSeq ORF: 1947 bp
Locus ID: 500246
Cytogenetics: 4q34
MW: 73.6 kDa