

Product datasheet for **RR207605**

Alg12 (NM_001108104) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg12 (NM_001108104) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR207605 representing NM_001108104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGGCAAGAAATCATCAGGCAGGCAGTCACTGCTGCCTCTGGGGCTGTTGGTCACTGTAGCTGCCA
 TCCACCTTGTGCTGTCGGTACACCAAGGTAGAAGAGAGCTTCAACCTGCAGGCTACGCATGACCTTCT
 GTATCACCAGCTGGACATAGACAAGTATGACCACCATGAGTTTCTGGAGTCGTTCCAGGACATTCCTG
 GGGCCGCTGTTGATTGCCGCGTTCTCCAGCCCTGTGGTTATGTGCTTTCACTGTTGGAAGTCTCCAGAT
 TTTATTCTCAGCTGATAGTCAGAGGCGTCTGGACTTGGTGTGATTTTTGGACTCTGGACATTACAGAA
 GGCAGTAAGACAGCAGTTCGGGGCTACGGTGGCTGTATGTTCTGCTGGATATCAGCCACACAGTTTCAT
 CTCATGTTCTACTGTACGAGGACGCTTCCCAACGTGTTGGCCCTGGCTGTGGTTTTACCGCCCTCACAG
 CCTGGCTGCAGCAGATGGGCCGCTTTGTCTGGCTCTCCGCTTTGTCATATTGGCTTCAGGGCTGA
 GCTGGCTATGCTGCTGGGCATCATGCTGCTGCTGACCTTGTACCAAAGGAGGATGCTGTGGCCAGATTG
 CTCAGCAGCCATCCCAGCAGGATTCTTTGCCTAGGGCTGACGGTTGCTGTGGACTCCTATTTCTGGC
 GATACCTTGTGTGGCCAGAAGGAGTGGTCTTTGGTACAACACTGTCTGAACAAAAGTTCCAACCTGGGG
 TACCTCCCCTACTCTGTGGTATTTCTACTCAGCCCTGCCCGAGGCTGGGCTGCAGCCTTCTTTCATA
 CCCCTGGGTGAGTGGACAGGAGAACCTTTGCGTTGGCTCTGCCAAGCCTTGATTCTGGCTTTTACT
 CGCTCCTCCCACACAAGAACTGCGGTTTCATCATCTATACCTTCCTGTACTCAACATCATGGCTGCCAG
 AGGCTGCACCTATGTCTGAATAAAAAGTCTTGGCCGTACAAGGTGAGAGCTCTGCTGGTGTGGGAT
 GTCGTGGTAAATGTGGCGTCTACAGCCACATCCCTCTATGTGTCCATTTCAACTACCCTGGTGGGGTTG
 CGATGCAGCGGCTACATGAAGTGGTCCACCTCAGACAGATGTCCTTGTACACATCGATGTGGCTGCTGC
 CCAGACAGGCGTGTACAGGTTTCTACAGGTCAACGATGACTGGAGGTATGACAAGAGGGAAGATGTGCAG
 CTGGGAGCAGCGGCATGCTGGACTACCCACATCATCATGGAGGCAGTGCCTGGGCACCTGGCCCTCT
 ACAGGGACACGCACCGAGTCTAGCCCGGATTGAGGCCACTACAGGTGTGAGCCTGAATCTAATGAAAGT
 GCCGCCCTTTGATGTCAGCCTGCAGACAAAGCTGGTACTTCTAGAGCGGCTGCTTAGGCCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207605 representing NM_001108104
 Red=Cloning site Green=Tags(s)

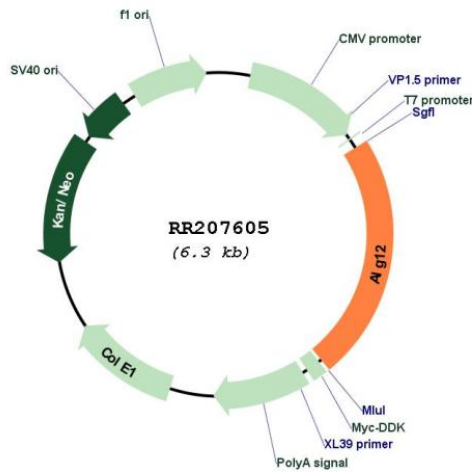
MAGKKSSGRQSLPLGLLVTVAAIHLVACPYTKVEESFNLQATHDLLYHQLDIDKYDHFHFGVVPRTFL
 GPLLIAAFSSPVVYVLSLLEVSRYFYSQIVRGVGLGVIFGLWTLQKAVRQFGATVAVMFCWISATQFH
 LMFYCTRTPNVLALAVVLPALTAWLQHRWAVFVWLSAFVVIIGFRAELAMLLGIMLLLTLYQRRMSVARL
 LQHAIPAGILCLGLTVAVDSYFWRYLVWPEGVVLWYNTVLNKSSNWGTSPLLWYFYFYSALPRGLGCSLLFI
 PLGAVDRRTFALALPSLGFVALYSLLPHKELRFIIYTFPVLNIMAARGCTYVLNKKSWPYKVRALLVFGH
 VVNVNASTATSLYVSHFNYPGGVAMQRLHELVPPTDVLVHIDVAAAQTGVSRLFQVNDWRYDKREDVQ
 LGAAGMLDYTHIIMEAVPGHLALYRDTHRVLARIEATTGVSLNLMKVPPFDVSLQTKLVLLERLLRPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001108104

ORF Size: 1464 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_001108104.2](#), [NP_001101574.2](#)

RefSeq Size: 2058 bp

RefSeq ORF: 1467 bp

Locus ID: 315212

Cytogenetics: 7q34

MW: 54.7 kDa