

Product datasheet for **RR210624**

Alg3 (NM_001142363) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alg3 (NM_001142363) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Alg3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210624 representing NM_001142363
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGGGCTGCGGAAACGCGGCCTGCCGGTCTGTCTGTCAGCCGGCAGGAATCTGGAACAAT
GGCTACAGCGGGCTGGCAAGAACGCTATCTACTGTCGCGGAGCCTCGCTACACCTTGATGGTGGCCTC
CTGCCTCTGCCTAGCAGAGGTGGGCATCACCTTCTGGGTATTACAGGGTGGCATAACAGAGATTGAC
TGGAAAGGCTACATGGCCAGGTGGAGGGTTTCATCAATGGCACATATGACTACACACAGCTGCAGGGTG
ACACCGGACCTCTGTCTACCCAGCTGGTTTTCTGTACATCTTTACGGGGCTTTACTATGCTACGGACCG
GGGCACTGACATCCCTACGGCCAGAACATCTTTGCTGTACTCTACCTTGTACCTTGGTCTTGTTTTC
TTGATATACCACCAGACCTCCAAGGTGCCTCCCTTCGCTTTTTCTTATGTGCTGTGCCTTACCCTG
TCCACTCCATCTTGTGCTGCGGCTCTTCAACGACCCGGTAGCTATGGCATTGCTCTTCTCAGCGTCAA
CCTCTTCTGGCGCAGCGCTGGAGCTGGGGCTGCTGCTTTTACGCTGGCCGCTCGGTGAAGATGAAC
GTGCTCCTTTTCGCCCCAGGATTGCTATTCCTTCTTACTCAGTTCGGCTTCCGTGGCGCCCTCCCA
AGCTGGCCCTCTGCGCTGCTCTCAGGTGGTGGGATTGCCCTTCTGTTAGAGAACCCCGTTGGCTA
CCTGTGCGCTCCTTTGACCTTGGCCGTAGTTTCTTTACCAATGGACAGTGAATTGGCGTCTCCTGCCT
GAAGCCATCTTCTGCACCGTGCCTTCCATCTGGCCCTGCTGGCTGCCATCTTAGCTTCTCTTGTAT
TTGCCCTCTGTAGGTGGCACAGAACAGGGGAAAGTATTCTGTGCTGCTGAAGGATCCTTCCAAAAGGAA
AGTTCCACCCCAACCCCTCACACCTAATCAGATTGTCTCCGCTCTTCCCTCCAACTTATTGGCGTC
TGCTTACGCCGCTCCCTCCACTCCAGTTTTATGTCTGGTACTCCACACGCTGCCCCACCTCCTGTGG
CCACGCCCCGACGCTGGCTCACACCTGCTCAGGTTGCTGGTGGTGGACTCATCGAGCTCTCTGGAA
TACATACCCATCCACACCTTTCAGCTCTGCTGCCCTACACCTGTGCCACGCTGTACCCCTGCTGCAGCTC
TGGCTGTCCCCTCAGTTCTTTCTAGGAGCGTCCAGCCAAGCAGGAAAACCCAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR210624 representing NM_001142363
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MAAGLRKRGLPGSVVQPAGIWKQWLQRAWQERYLLLREPRYTLMVASCLCLAEVGITFWVIHRVAYTEID
 WKAYMAQVEGFINGTYDYTLQGDGTPLVYPAGFLYIFTGLYYATDRGTDIPTAQNIFAVLYLVTLLVLF
 LIYHQTSKVPPFVFFMCCASYRVHSIFVLRFLFNDPVMALLFLSVNLFQAQRWSWGCCCCFLAVSVKMN
 VLLFAPGLLFLLLTQFGFRGALPKLALCAALQVVLGLPFLLENPVGYLSRSFDLGRQFLYQWTVNWRLLP
 EAIFLHRAFHLALLAAHLSFLLLFALCRWHTGESILSLKDPKRKVPPOPLTPNQIVSVLFTSNFIGV
 CFSRSLHSQFYWYFHTLPHLLWATPARWLTHLLRLLVGLIELSWNTYPSTPFSSAALHLCHAVTLLQL
 WLSPQFFPRSVQPSRKTH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

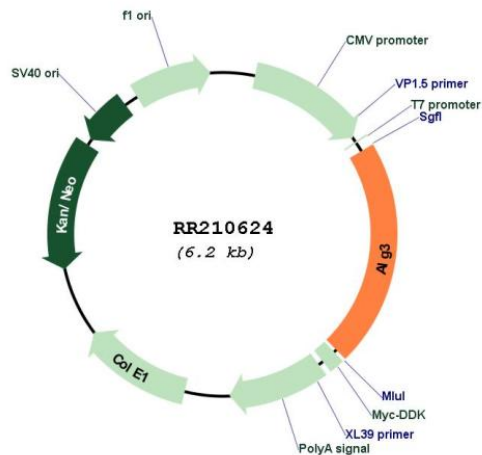
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001142363
ORF Size:	1314 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_001142363.1 , NP_001135835.1
RefSeq Size:	1445 bp
RefSeq ORF:	1317 bp
Locus ID:	287983
Cytogenetics:	11q23
MW:	50.2 kDa