

Product datasheet for **MG206987**

Alg3 (NM_145939) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg3 (NM_145939) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alg3
Synonyms:	D16ErtD36e; not
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206987 representing NM_145939 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGGGCTGCGGAAACGCGGCCAGCCGGCTTCTGTGCGCCAGCCGGCAGGAATCTGAAACAAT
GGCTACAGCGTGCCTGGCAAGAACGCTACCTACTGCTGCGGGAACCGCGCTACACATTGCTGGTGGCCTC
CTGCCTCTGCATAGCAGAGGTGGGCATCACCTTCTGGGTCAATCAGGGTGGCATAACAGAGATTGAC
TGAAGGCTACATGGCCAGGTGGAGGGTTTCATCAATGGCACATATGACTACACAGCTGCAGGGT
ACACCGGACCTCTGTCTACCCAGCTGGGTTTTGTACATCTTTACGGGGCTATTCTATGCTACTGACCG
GGCAGCTGATATCCCTATGGCCAGAACATCTTTGCTGTACTCTACCTTGTACCTTGGTCTTGTTTTC
TTGATATACCACCAGACCTCCAAGGTACCTCCCTTCGCTTTTTCTTCATGTGTTGTGCCTCTTACCCTG
TCCATTCCATCTTTGACTGCGGCTCTTCAATGACCCAGTAGCTATGGCCTTGTCTTCTGAGCATCAA
CCTTTTCTGGCAGAGTCTGGAGCTGGGGCTGCTGCTGTTTCAGCCTGGCTGTCTCGGTGAAGATGAAT
GTGCTGCTCTTCGCCCCGGGATTGCTATTCCTTCTTACTCAGTTTGGCTTCCGTGGTGCCTCCCCA
AGCTGGCCATCTGTGCTGCTCTTCAGGTGGTGTGGGATTGCCCTTCTGCTGGAGAACCCATTGGCTA
CCTATCCCGCTCCTTTGACCTTGGTCTCAGTTTCTTTTCCAATGGACAGTAACTGGCGCTTCTGCT
GAAACCATCTTCTGCTGCTGCTTCCATCTAGCCCTGTTGGCTGCCACCTTAGCCTCCTCTTGTGCT
TTGCCCTCTGTAGGTGGACAGAACAGGGGAAAGTATTCTGGCACTGCTGAAGGATCCTTCCAAAAGGAA
AGTTCCACCCCAAGCCCTCACACCTAACAGATTGTTTCCATCCTCTTACCTCCAACCTTATTGGCATC
TGCTTTAGCCACTCGCTCCACTACCAGTTTATGTCTGGTATTTCCACACTGCCCTACCTCCTGTGGG
CCATGCCTGCACGCTGGCTCACACCTGCTCAGGTTGCTGGTGGGACTCATTGAGCTCTCCTGGAA
TACGTACCCATCCAGTCTTCCAGCTCTGCCGCCCTCCACCTGTGCCACGCTGTCGTCTGCTGCAGCTC
TGGCTGTCCCGAGTCTTCCCTAAGAGCATTAGCCAAGCAGGAAAATCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206987 representing NM_145939
 Red=Cloning site Green=Tags(s)

MAAGLRKRGPASVGPAGIWKQLQRAWQERYLLLREPRYTLLVASCLCIAEVGITFWVIHRVAYTEID
 WKAYMAQVEGFINGTYDYTQLQGDGTPLVYPAGFLYIFTGLFYATDRGTDIPMAQNI FAVLYLVTLLVLF
 LIYHQTSKVPPFVFFMCCASYRVHSIFVLRFLFNDPVAMALLFLSINLFLAQCSWGCCCCFLAVSVKMN
 VLLFAPGLLLFLLLTQFGFRGALPKLAICAALQVVLGLPFLLLENPIGYLSRSFDLGRQFLFQWTVNWRFLP
 ETIFLHRAFHLALLAAHLSLLLLFALCRWHTGESILALLKDP SKRKVPPQALTPNQIVSILF TSNFIGI
 CFSHSLHYQFYVWYFHTLPYLLWAMPARWLTHLLRLLVGLIELSWNTYPSTSFSSAALHLCHAVLLQL
 WLSPEF PKSIQPSRKTH

TRTRPLE - GFP Tag - V

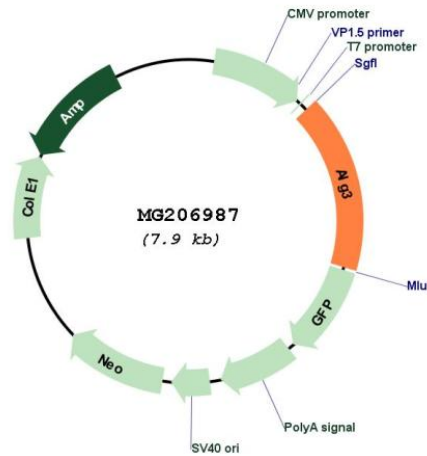
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_145939

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_145939.1 , NP_666051.1
RefSeq Size:	1446 bp
RefSeq ORF:	1317 bp
Locus ID:	208624
UniProt ID:	Q8K2A8
Cytogenetics:	16 12.48 cM
Gene Summary:	Adds the first Dol-P-Man derived mannose in an alpha-1,3 linkage to Man5GlcNAc2-PP-Dol. [UniProtKB/Swiss-Prot Function]