

## Product datasheet for **MR206987**

### **Alg3 (NM\_145939) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Alg3 (NM_145939) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg3
Synonyms:	D16Ertd36e; not
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206987 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGTGGGCTGCGGAAACGCGGCCAGCCGGCTTCTGTGCGCCAGCCGGCAGGAATCTGGAACAAT  
 GGCTACAGCGTGCCTGGCAAGAACGCTACTACTGCTGCGGGAACGCGCTACACATTGCTGGTGGCCTC  
 CTGCCTCTGCATAGCAGAGGTGGGCATCACCTTCTGGGTCAATCACAGGGTGGCATAACAGAGATTGAC  
 TGAAGGCTACATGGCCAGGTGGAGGTTTCATCAATGGCACATAGACTACACAGCTGCAGGGTG  
 ACACCGGACCTCTGTCTACCCAGCTGGGTTTTGTACATCTTTACGGGGCTATTCTATGCTACTGACCG  
 GGGCACTGATATCCCTATGGCCAGAACATCTTTGCTGTACTCTACCTTGTACCTTGGTCTTGTTC  
 TTGATATACCACCAGACCTCAAGGTACCTCCCTTCGCTTTTTTCTTTCATGTGTTGTGCCTTACCCTG  
 TCCATTCCATCTTTGACTGCGGCTCTTCAATGACCCAGTAGCTATGGCCTTGTCTTCTGAGCATCAA  
 CCTTTTCTGGCACAGTCTGGAGCTGGGGCTGCTGCTGTTTCAGCCTGGCTGTCTCGGTGAAGATGAAT  
 GTGCTGCTCTTCGCCCGGATTGCTATTCCTTCTTACTCAGTTTGGCTTCGGTGGCCCTCCCA  
 AGCTGGCCATCTGTGCTGCTCTTCAGGTGGTGGTGGGATTGCCCTTCTGCTGGAGAACCCATTGGCTA  
 CCTATCCCGCTCCTTTGACCTTGGTCGTGAGTTTCTTTTCCAATGGACAGTAAACTGGCGCTTCTGCT  
 GAAACCATCTTCTGCATCGTGCCTTCCATCTAGCCCTGTTGGCTGCCACCTTAGCCTCCTTGTGCT  
 TTGCCCTCTGTAGGTGGCACAGAACAGGGGAAAGTATTCTGGCACTGTGAAGGATCCTTCCAAAAGGAA  
 AGTTCCACCCCAAGCCCTCACACCTAACAGATTGTTCCATCCTTTCACCTCCAATTCATTGGCATC  
 TGCTTTAGCCACTCGCTCCACTACAGTTTTATGTCTGGTATTTCCACACACTGCCCTACCTCCTGTGG  
 CCATGCCGCACGCTGGCTCACACACTGCTCAGGTTGCTGGTGGTGGGACTCATTGAGCTCCTGGAA  
 TACGTACCCATCCACGTCTTCAGCTCTGCCGCCCTCCACTGTGCCACGCTGTGCTCCTGCTGCAGCTC  
 TGCTGTCCCGGAGTCTTCCCTAAGAGCATTACGCCAAGCAGGAAAACCTCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

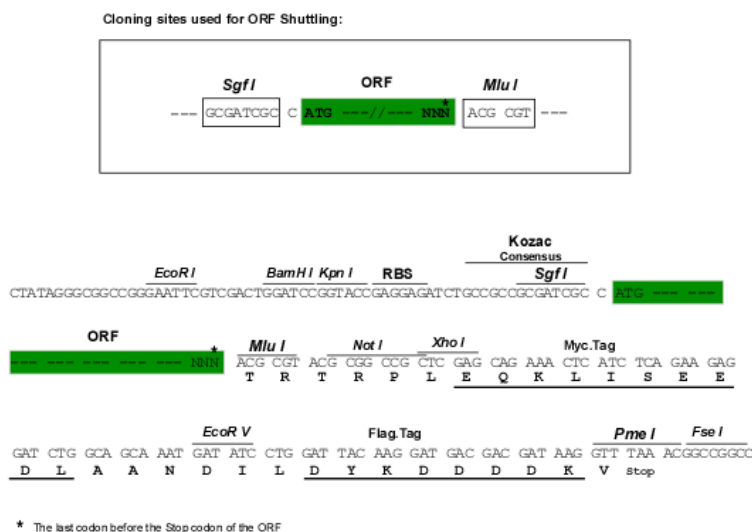
>MR206987 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAGLRKRGQPASVGPAGIWKQLQRAWQERYLLLREPRYTLLVASCLCIAEVGITFWVIHRVAYTEID  
 WKAYMAQVEGFINGTYDYTLQGDGPLYYPAGFLYIFTGLFYATDRGTDIPMAQNI FAVLYLVTLLVLF  
 LIYHQTSKVPPFVFFMCCASYRVHSIFVLRFLFNDPVAMALLFLSINLFLAQCSWGCCCCFLAVSVKMN  
 VLLFAPGLLFLLLTQFGFRGALPKLAICAALQVVLGLPFLEENPIGYLSRSFDLGRQFLFQWTVNWRFLP  
 ETIFLHRAFHLLAAHLSLLLLFALCRWHRTGESILALLKDPKRKVPVPPQALTPNQIVSILFTSNFIGI  
 CFSHSLHYQFYVWYFHTLPYLLWAMPARWLTHLLRLLVLGLIELSWNTYPSTSFSSAALHLCHAVVLLQL  
 WLSPEFSPKSIQPSRKTH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**ACCN:** NM\_145939

**ORF Size:** 1317 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\\_145939.1](#), [NP\\_666051.1](#)
**RefSeq Size:** 1425 bp

**RefSeq ORF:** 1317 bp

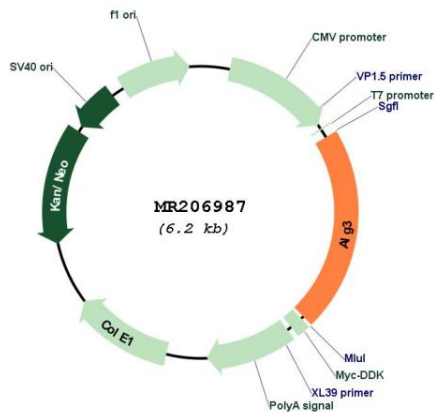
**Locus ID:** 208624

**UniProt ID:** [Q8K2A8](#)
**Cytogenetics:** 16 12.48 cM

**MW:** 50.2 kDa

**Gene Summary:** Adds the first Dol-P-Man derived mannose in an alpha-1,3 linkage to Man5GlcNAc2-PP-Dol.  
[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206987