

Product datasheet for **MC216034**

Alg11 (NM_183142) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg11 (NM_183142) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alg11
Synonyms:	A1849156; AW492253; B230397C21; Mmat-4(5)
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216034 representing NM_183142
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGACACTGGGAGCTGGTGCCTGACGCCGTGCGGTTTTCTATTACTTCTTTCTG
 GACTGATGATATGCGGAGTTTTGTGTATATTTGGTCATTGGCCTTTGGTTATCAGGTGGCATCTACA
 GAGAAAGAAGAAGTCTGTGTCGACCAGCAAAAATGGAAAAGAACAACCGTGGTTCATTTTTCCATCCA
 TACTGTAATGCAGGTGGCGGAGGAGAGAGATTCTGTGGTGTGCTTTGAGAGCCCTGCAGAAAAAGAAAC
 GCTACCTGTGGAAGATCCCGGTATCCTCACTTACATTGCTAGGCCAAAGTCTTGGATCCATTCTTCT
 CGGCTGGGAAGCTCTGATGCAGCGCTTCTGATGTTTACATCGACTCAATGGGATACGCCCTCACACTC
 CCTCTCTTAAGTATGTGGGAGTTGCCGAGTCGGAAGCTATGTTCACTATCCCACGATCAGCACTGACA
 TGCTGTCTGTGGTGAAGAATCAGAATCCTGGATTAATAATGCTCTTTCATTAGCAGAAATGCTCTTCT
 CAGCAAAGCAAAGCTCATCTATTACTATTTATTTGCTTTTGTGTTATGGCCTTGTGGATCTGCAGTGAC
 ATAGTCATGGTTAATCTTCTTGGACATTAACCATATCCTCTCACTGTGGAAGGTTGGCATTGCACTA
 ACATTGTCTATCCACCTTGTGATGTGCAGACATTTCTGGACATCCCTTACATGAGAAGAAGGTGACCCC
 AGGGCATTGTGGTTTTCCATTGGCCAGTTCAGACCTGAAAAGAATCATGCTTTGCAGATCAAAGCCTTT
 GCTAAATTGTTAAATGAGAAAGCAGCTGAGTTAGGCCATTCTCTAAACTTGCTTATTGGAGGGTGTC
 GCAACAAAGATGATGAGTTTAGAGTAACCAACTGAGAAGTCTATCTGAGAATTTGGGAGTTCAAGAAAA
 TGTGGAATTTAAAATAACATTTTCATTCGATGAATTGAAGAATTACTTGTCTGAAGCGACCATCGGCTCG
 CATACTATGTGGAATGAGCATTTTGGGATTGGAGTTGTCGAGTGTATGGCAGCTGGCACAGTTATCCTTG
 CACACAACCTCAGGAGGCCCGAAGCTGGACATTGTCATTCTCATGAAGGACAGATAACTGGCTTTCTGGC
 TGAGAGTGAAGAAGGCTATGCTGACTCTATGGCTCACATTCTTTCTCTGCTGCAGAAGAGAGACTCCAA
 ATCAGGAAGAATGCTAGAGCGTCTATAAGCAGATTCTCCGACCAGGAGTTGAAGTAGCATTCTGTGTT
 CCATGGAGAAGTTACTTACT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_183142

Insert Size: 1353 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_183142.4](#), [NP_898965.1](#)

RefSeq Size: 4844 bp

RefSeq ORF: 1353 bp

Locus ID: 207958

UniProt ID: [Q3TZM9](#)

Cytogenetics: 8 A2

Gene Summary: Mannosyltransferase involved in the last steps of the synthesis of Man5GlcNAc(2)-PP-dolichol core oligosaccharide on the cytoplasmic face of the endoplasmic reticulum. Catalyzes the addition of the 4th and 5th mannose residues to the dolichol-linked oligosaccharide chain (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.