

## Product datasheet for **MR204808**

### Alg11 (BC061469) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Alg11 (BC061469) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Alg11  
**Synonyms:** AI849156; AW492253; B230397C21; Mmat-4(5)  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR204808 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGCGGTTCTGATGTTTACATCGACTCAATGGGATACGCCTTCACACTCCCTCTCTTTAAGTATG  
 TGGGAGGTTGCCGAGTCGGAAGCTATGTTCACTATCCCACGATCAGCACTGACATGCTGTCTGTGGTGAA  
 GAATCAGAATCCTGGATTAATAATGCTGCTTTCATTAGCAGAAATGCTTCTCAGCAAAGCAAAGCTC  
 ATCTATTACTATTTATTTGCTTTTGTATGGCCTTGTGGATCTGCAGTGACATAGTCATGGTTAATT  
 CTTCTTGGACATTAACCATATCCTCTCACTGTGGAAGGTTGGCATTGCACTAACATTGTCTATCCACC  
 TTGTGATGTGCAGACATTTCTGGACATCCCTTTACATGAGAAGAAGGTGACCCAGGGCATTGTGCTGTT  
 TCCATTGGCCAGTTCAGACCTGAAAAGAATCATGCTTTGCAGATCAAAGCCTTTGCTAAATTGTTAAATG  
 AGAAAGCAGCTGAGTTAGGCCATTTCTTAAACTGTGCCTTATTGGAGGGTGTGCGCAACAAAGATGATGA  
 GTTTAGAGTAAACCAACTGAGAAGTCTATCTGAGAATTTGGGAGTTCAAGAAAAATGTGGAATTTAAATA  
 AACATTTCAATTCGATGAATTGAAGAATTACTTGTCTGAAGCGACCATCGGTCTGCATACTATGTGGAATG  
 AGCATTTTGGGATTGGAGTTGTCGAGTGTATGGCAGCTGGCACAGTTATCCTTGCACACAACTCAGGAGG  
 CCCGAAGCTGGACATTGTCAATCCTCATGAAGGACAGATAACTGGCTTTCTGGCTGAGAGTGAAGAAGGC  
 TATGCTGACTCTATGGCTCACATTTCTCTGTCTGCAGAAGAGAGACTCCAAATCAGGAAGAATGCTA  
 GAGCGTCTATAAGCAGATTCTCCGACCAGGAGTTTGAAGTAGCATTCTGTGTTCCATGGAGAAGTTACT  
 TACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR204808 protein sequence  
Red=Cloning site Green=Tags(s)

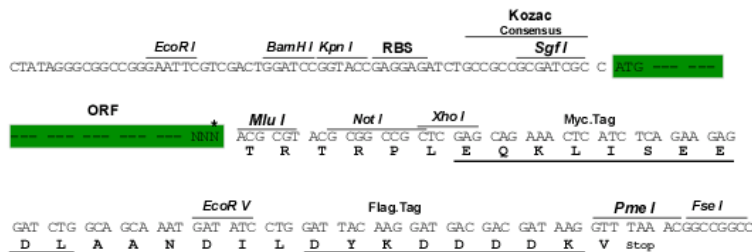
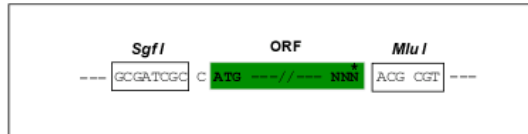
MQRVPDVYIDSMGYAFTLPLFKYVGGCRVGSYVHYPTISTDMLSVVKNQNPGFNNAAFISRNALLSKAKL  
 IYYLFAFVYGLVGSCSDIVMVNSSWTLNHILSLWKVGHCTNIVYPPCDVQTFLDIPLHEKKVTPGHLV  
 SIGQFRPEKNHALQIKAFKLLNEKAAELGHSLKLVIGGCRNKDDEFVNLRLSENLGQENVEFKI  
 NISFDELKNYLSEATIGLHTMWNEHFGIGVVECMAGTVILAHNSGGPKLDIVIPHEGQITGFLAESEEG  
 YADSMAHILSLSAEERLQIRKNARASISRFSDQFEVAFVFLCSMEKLLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC061469

**ORF Size:** 984 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:** [BC061469](#), [AAH61469](#)

**RefSeq Size:** 4978 bp

**RefSeq ORF:** 986 bp

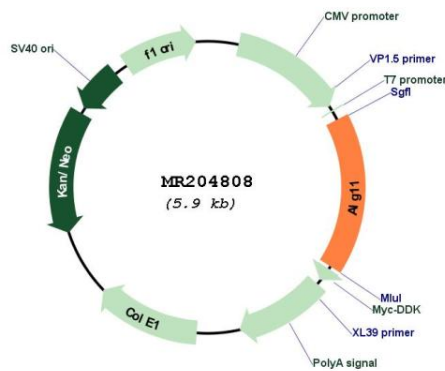
**Locus ID:** 207958

**Cytogenetics:** 8 A2

**MW:** 36.6 kDa

**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]

**Product images:**



Circular map for MR204808