

## Product datasheet for **MC207594**

### Alg14 (NM\_024178) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Alg14 (NM_024178) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alg14
Synonyms:	5430428G01Rik; AI854024
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207594 representing NM_024178 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGAGCATTCTGATTCTAGCTGCTACAGCCGCAGGGCTAGTGATCTTGCTATTCCAGCGACTATGGA  
CCGTGCTTGGGCCCATCAGTCACTCCCCGAGAGTCTCTCAGACTCTTGATCGTGGCTGGATCCGGTGG  
ACACACCACTGAGATCTTGAGGCTGGTTGGAAGCTTGCCAATGCCTATTCACCAAGGCATTATGTCATT  
GCTGAGTCTGATGAAATGAGTGCCAAGAAAATCCATTCTCTTGAAGAACTCTCTCGAGCCAGAATGACT  
CTACTACTGAATACCCCAAGTACCACCTTCACCGAATTCGAGAAGCCGGGAGGTTCCGGCAGTCCTGGCT  
CTCCTCCGTGTTCACTACCTTCTACTCCATGTGGTTCTCCTTCCCACTGGTTCTCCGAATAAAGCCAGAT  
TTGGTGTGTGTAATGGACCAGGAACATGCGTCCCTATCTGTGTGTCCGCCCTGCTTCTTGGGATACTTG  
GAGTGAAGAAAGTGATCATCGTCTATGTCGAGAGCATCTGCCGAGTGGAGACGCTATCCCTGTCAGGGAA  
GATCCTGAGGCACCTCTCCGACTACTTCATTGTTCAAGTGGCCACTCTCAAGGAGAAGTACCCCAAGTCT  
GTGTACCTGGGGCAATTGTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_024178
Insert Size:	654 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_024178.2</a></u> , <u><a href="#">NP_077140.1</a></u>
<b>RefSeq Size:</b>	910 bp
<b>RefSeq ORF:</b>	654 bp
<b>Locus ID:</b>	66789
<b>UniProt ID:</b>	<u><a href="#">Q9D081</a></u>
<b>Cytogenetics:</b>	3 G1
<b>Gene Summary:</b>	Involved in protein N-glycosylation. Essential for the second step of the dolichol-linked oligosaccharide pathway. Anchors the catalytic subunit ALG13 to the ER (By similarity). [UniProtKB/Swiss-Prot Function]