

## Product datasheet for **MC202015**

### **Alg2 (NM\_019998) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Alg2 (NM_019998) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alg2
Synonyms:	1110018A23Rik; 1300013N08Rik; ALPG2; CDGLi; MNCb-5081
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC051951 sequence for NM\_019998  
 GCGGAGAGCGCAAGCGCGGCTCATCTACCATGGCCGAAAACTGTACCGAGCCCGTTCCCGGGTTTACAG  
 CCCATCTGTGCTGTTTCTGCACCCAGACATGGGTATAGGCGGAGCCGAGCGCCTAGTGTGGACGCGGCG  
 CTGGCGCTGCAGGAGTACGGCTGTGATGTGAAGATATGGACCGCGCACTACGACCCGAACCACTGCTTCA  
 TCGAGACCCGCGAGCTCTCGGTGCAATGCGCAGGGGACTGGTGCCTCGCAGCCTGGGCTGGGCGGCGCG  
 CGGCGCCGCCATCTGCTCCTACGTGCGCATGGTCTTTCTGGCGCTCTACGTGCTGTTTCTCTCCGGCGAG  
 GAGTTCGACGTGGTGGTGTGCGACCAAGGTCTGCCTGTATCCCGGTGTTCAAACGGCCAGACCGCGTGA  
 AGAGGGTCTATTTTACTGTCACTTCCAGATCTGCTGCTTACTCAGAGAAATTCAGCTCTGAAGAAGTT  
 CTACAGGGCCCCATCGACTGGATCGAGGAATACACCACAGGCATGGCAGACCGCATCTTGGTCAACAGC  
 CAGTACACTGCTTCCGTCTTTAAAGAAACCTTCAAGACCTGTCTCACAGAAATCCTGATGTGCTTACC  
 CATCTCTGAATATCGGCAGCTTTGACTTGGCTATTCTGAAAAGATAGATGACCTCGTCCCAAGGGGAA  
 GCAATTCCTGTTCTCTATCAACCGATACGAAAGGAAGAAAAATCTGCCCTTGGCACTGAGATCCTTG  
 GTGCAGCTTCGGAATCGGTTACCATCTCAAGAGTGGGATAAGGTTTATCTTTCATGGCCGGTGGTTATG  
 ACGATAGGATCCCGGAGAACGTGGAGCACTATAAGGAGTTGAAGAAAATGGTCCAAGAGTCAGACCTTGA  
 GCGTCATGTGACCTTCTGCGGTCTTCTCGGACAGACAGAAGATCTCACTCCTCCACGGCTGCTTGTGT  
 GTGCTCTACACTCCGAGCAACGAGCACTTTGGCATCGTCCCTCTGGAGGCCATGTACATGCAGTGCCAG  
 TCATCGCTGTTAATAACGGTGGGCCCCGGAGTCCATTGTCCACAAGGTACGCGGGTTTCCGTGTGAGCC  
 AGACCCAGTGCACCTTCTCAGAAGCCATGGAGAAGTTTATCCACAAACCATCCTTAAAAGCCACGATGGGC  
 CTCGCTGGAAAAGCCAGGGTGGCGGAGAAGTTTTCAGCTGATGCATTTGCAGACCAGCTGTACCAGTATG  
 TCACGAAGCTGGTGTAGTCAGGAGAGTACAGTGTAGAGTCTGTATGCTACATGCACTGCGATCCCTCTTA  
 TGGGTTGTAGAAACGCCCTTTGAAACCAAAAGAAAGGGGAAACAAAGGAGCTAGAATCTAGTGTAGTGA  
 GATTTTCTTTTTAAGTAGACTTGAGTCTTGAATGTGAGCCACCTGTCCACCACACCTACCTGTCATTTCT  
 TGAATATTCTTAATGCTGTAATCATTCCGTATCTCGTGAAGTGTGTTGAAAGTATGGTAGGAATCTGCT  
 GCTAGCAGACTATTTAACTCTATTTTCCCTGGATTATTGTTTCTTTATATAAAAGGTTTGATCATCCAG  
 TGCCCTTAATTGGCTTTAGTAGTGTAGGTCTTACCATTGTCACAGTCAATTGATTTGACTTCAGAGCGTAA  
 TGGGAACGAGGCTGCTGCAGCTCCCAAGCTCGGTTTACTTAAAGTGTCTCTAGTAGCTGTAGAAAATT  
 TTTGTTAGAAATTTGGCTGGATCTATAACAAGAGTACTCAGTATTATTTATTTGTTTTGTTTTGTTTTG  
 TTTTGTTTTTTACTGCAACTTGACAATAAAATATGTTTGGCATCAGAAGAGAATAGAACATTAGATCTGA  
 GCCCGATGCTCTGACTTCATCTTGTAAATACATAAACCTGAAGTCAAGAGACTAGGATAAATGAGATAG  
 TTTACATGAAGGAACACCATCACACATGTTTTGGCCTACCGTGTACGCTTGGCCTTATTCCTTTGAGCC  
 TGTGCCAGAACAGTGTATTGAGGCAGGGAGCAAAGACAAAAGGGTCCCATATCCCTTTCTAGAAAATAT  
 CCCTTGATGACCTGATTCTTCCACTAGCCCTCACTACTAAAAGTCTGTACACCTCCTAGTGTGGCTCT  
 CAGTGTGGGCGGGGACCAGGCCTCAGGGCACAGGCCTTTGGGAACTGTATTAGAGTTCTCTAAAATAGC  
 AAACAGCACTTAACAGAAATGAATCCCAGAAGAAGAACAATGGCGTACAGGCTTCTGTCCAGCTAA  
 TCCAACAATGAACAGAAAGTCCAGAAATCCAGTAGTTGTTTCAAGTCCAGGAGGCTGAATGTCTCAGCTGAT  
 CTTCAAGTATACACTGGAATCCCAAAGTAGGCTCTGACGCCGTGAAGGGATGGACTTGCCAGCAAGGTAA  
 GGACAAGCAAGCAAGAGCAAACGCTCCCTACTCCATGTCCTTGTATAGGCTGCCAGCAGAAGGCATGG  
 CGCAGACTAGAGGTACGTTTTCCCACTTGAAGATCAGAATTAAGGAAGACCTGCCAACTCAAGTTAAG  
 CAAAAATCCCTCCAGGTGTGCCCTCCATTGTTAGATTTTGTCAATCCAGATGGAGTCAAGTTGACAA  
 CCAAGAATGGCCACCACCGGGGACACTCCGCATCTGAACATATACTAAGCTTCATATTTAGACGTGTT  
 TCTTAATGTTGTTGGTGTCTCCAGCCCTCGTAGTGTGTTGTATCGTATTCTCTGCAGTTTACATGCCAGT  
 GTTTCCTGTCCTTACGTAAATGCCTTTGTGTGAAGCTTGCTTGACACCCCGCCCCACCCACCTCTCA  
 ACTCCCTATCCCTGTGACACTGCCAGTAATAACTGTTCTGTTGTTTACCTGTTGCTGTAAAGTGCA  
 AGTATTAAGCAATTTTAAAGCTAAATTCACCTGAAGAATATAATAATATCTGTAATCAGAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_019998  
**Insert Size:** 1248 bp

<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>	<a href="#">BC051951</a> , <a href="#">AAH51951</a>
<b>RefSeq Size:</b>	3036 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	56737
<b>UniProt ID:</b>	<a href="#">Q9DBE8</a>
<b>Cytogenetics:</b>	4 B1
<b>Gene Summary:</b>	Mannosylates Man(2)GlcNAc(2)-dolichol diphosphate and Man(1)GlcNAc(2)-dolichol diphosphate to form Man(3)GlcNAc(2)-dolichol diphosphate.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).