

Product datasheet for **MC218551**

Alg1 (BC011281) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg1 (BC011281) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alg1
Synonyms:	HMT1, HMAT1, MGC18946
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >NCBI ORF sequence for BC011281, the custom clone sequence may differ by one or more nucleotides

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GTCGGCCGGCCAAGATGGCAGCGTCTGCGTGGCGCTGCTGGTCTGGCGCTGCTGTTGCTGGTGGTGGT
GCTGGGCTTGTGGAAGCGTGGGCGGCAACGGGCGAGGGCCCGGCATATGGTCGTCGTTGGTGGTGGGCGAC
GTGGGCCGACGCCCCCGCATGCAGTACCACGCGTGTGTCATTGGCCAGAGCGGCTTTTCGGTGACGCTGC
TGGGGTTCTACACTGGGCCCGAATTCTCCAGTATGGAGTCAAGTTGTATTTCAGGCAGTGACTTGCT
GTGGAAGATGATGCGCATGGACCCTGCAGCCTACATCTTCTCCAGAACCCTCCAGGTCTGCCTGTATT
GCCGTCTGCTGGTTTGTGGGCTGCATTTGTGGGAGCAAATTGGTCATCGACTGGCACAATATGGCTACT
CCATCATGGGCTTGGTCCATGGCCCCGCCACCCATTGTGCTGCTGGCCAAATGGTATGAGAAGTTCTT
CGGGCGCTGTCCACCTGAACCTGTGTGTGACCAATGCTATGCGGGAGGACCTGGCAGAGAAGTGGTGT
GTCAGGGCTGTGACGCTCTACGACAAGCCAGCATCTTTCTTTAAGGAGACACCCCTGGACCTGCAGCATG
AACTCTTTATGAAGCTGAGCCACACGTAATCTCTCTTTCCAGAGCTGCTCAGATCCCTCACATCCTGACAC
AGAGAGGTGGGCTTCACTGAGAGGGATTGTGAGAGCGGGTTGTGAGGCGTCTGCATGGGCGGCCAGCA
CTGCTCGTGAGCAGCACAAGCTGGACAGAGGACGAGGACTTCTCCATCCTGCTTCGAGCATTAGAAAAGT
TTGAGCAACAAGCACTCACTGGAGACAGCCTCCCTTCCCTCGTCTGTGTGATAACAGGGAAGGGACCGCT
CAGAGAGCACTACCGCCACCTCATCAGCCAGAAGCACCTTAGGCACATCCGGTTCTGCACCCCATGGCTG
GAAGCCGAGGACTACCCACTGCTTCTAGGGTCAGCGGATCTGGGTGTCTGTCTGCACATGCTCCTCCAGTG
GTCTGGACCTGCCATGAAGGTGGTGGACATGTTGGGTGCCACTTGCCTGTGTGTGCCGTGAACCTCAA
GTGTCTGCACGAGCTTGAAGACATGGAGAGAATGGTCTGGTCTTCAAGGATGCTGAGGAGCTGGCAGCT
CAGCTGCAGATGCTTTTCTCAAAGTTCCAGACCCTGCTGAAAGCTAAGCCAGTCCGGAAGAACTGC
AGGACTCGAGGCAGCAACGCTGGGATGAGAGCTGGCAGCACACTGTGCTCCCTCTGCTCACTCACAGATG
ACCCCCAGGCCCATCCACCCTGTGGCCACCCTTCTGCGGGGGCTTTTGAGTGCCCCCTAGTGGTCATA
AGCCTGAGGACAGCAGTGGGCGACAGCTAGGAAGAGAGTGATCTGGCAGCTCTTCTGTCTGAGCACT
TCTGTTACTTCCAGTGTCCCTGCCAACTTCTCAGTCCCTGGGTTTTTGTCTGACTCGTCACATCCCT
TGCGTTCTGGTTCTGCTGTGAGCTCTGGGATAGCCTGTGTTCACTGGGTTTGGCTGAGCAAGGCTGAACT
GTCTGACAGGACAGTCATACTTAATAAATGTATATATTTATTTGTACAATGAAAAAAAAAAAAAAAAA
    
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Restriction Sites: SgfI-MluI

ACCN: BC011281

Insert Size: 345 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:	<u>BC011281.1</u>
RefSeq Size:	1677 bp
RefSeq ORF:	1316 bp
Locus ID:	208211
Cytogenetics:	16 A1
Gene Summary:	Participates in the formation of the lipid-linked precursor oligosaccharide for N-glycosylation. Involved in assembling the dolichol-pyrophosphate-GlcNAc(2)-Man(5) intermediate on the cytoplasmic surface of the ER (By similarity).[UniProtKB/Swiss-Prot Function]