

Product datasheet for **MC217538**

Alg8 (NM_199035) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg8 (NM_199035) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alg8
Synonyms:	AI447372; Gm1089
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217538 representing NM_199035
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGTCCGGTCTGCAACCGCTGGTGGCCATTGGTTCTCTGCTTTGGCTCTTGGGGTACTCTCC
 TTAAGTGCTTCTCATCCCCACCTACCATTCCACGGATTTTGAAGTACACCGAAAATTGGCTTGAATCAC
 TCACAGCCTCCCAATATCTCAGTGGTATTATGAGGCAACTTCAGAGTGGACCTTGGATTACCCCCCTTT
 TTTGCATGGTTTGTAGTACGCCTTATCACATATTGCCAAATACTTTGATCAAGAGATGCTCAATATTCATA
 ACCTGAACTATTACAGTCAAGGACATTGCTTTCCAGAGGTTTTCTGTCATCTTGACAGATGCACTCTT
 TGTGTATGCTGTCCATGAGTGTGTAATGCATTGATGGAAAAAGAACAGGCAAAGACCTCACAGAGAAA
 CCAAAGTTTATTCTGTCGGTCTCCTGCTGTGAACTTTGGGTTGTTAATTGTAGACCATATTCATTTTC
 AGTACAATGGCTTCTGCTGGATTACTGCTGTTGCCATTGCACGTCTATTTCCAGAAAAGGCACATTGA
 AGGGCGTTGCTCTTTGCTGTCTCCTCCATCTCAAGCACATCTACCTATATGTGGCACCAGCCTATGGT
 GTCATCTGCTGCGGTCTACTGCTTCACTGCAAGTAAACCAGATGGCAGTGTCCGTTGGAGCAGCTTCA
 GCGTTGTCGCGTTACTTCCCTGGGGCTGATCGTGTTCCTAGTTTCTGCTCTTTCGTTGGGCCCTTCTCT
 AGCCTTGAACAGCTGCCACAAGTCTTTTCCCGACTCTTTCCTTTCAAGAGGGGCCCTTGGCATGCCTAC
 TGGGCTCCAAACTTCTGGGCTTTGTACAATGCTTTGGACAAAGTACTGTCTGTAATTGGTTTGAATTTGA
 AGCTTCTTGACCCAGCCAGATCCCCAGGGCCTCAATGACAAGTGGTTTGGTTCCAGCAGTCCAGCACAC
 AGTCCTTCCCTCAGTTTCCCTTTGGCAACCCTCATCTGCACACTGATAGCCATATTGCCCTCTGTTTTTC
 TGTCTTTGGTTTAAACCCCAAGGGCCCAGAGGCTTCTCCGATGCCTGGTTCTTTGTGCTTGGTTCTCT
 TCATGTTTGGGTGGCATGTCCATGAGAAAAGCCATACTCCTTGGCATTCTCCCAATGAGCCTGTTGTCTGT
 GGAAAAAGCAGGAGATGCGACAGTTTTTCTGATTCTGGCGACAACAGGACACTATTCCTCTTCCCCTGT
 CTCTTCACTGCACCAGAACTTCCATTAATACTTACTCATGTTACTGTTACGTTTATAGTATTTCTCT
 CACTGAAGACACTATTCAGAAAAGAAAACCTCTTTTAAATTGGATGGAACTGTGTACCTCCTTGGCCT
 GGGCCTCTGGAAGTCTGCTGTGAATTCCTACTCCCGTTTACCTCCTGGAAGCTGAAGTACCCCTTCATC
 CCTTTGCTGTGACCTCGGTGTACTGTGCAGTGGGCATCACATACGCCTGGACCAGGCTGTATGCTTCAG
 TGTTGACTGGCTCCCTTGTGACGAAGACAAGAAACAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_199035

Insert Size: 1581 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_199035.2](#), [NP_950200.2](#)

RefSeq Size: 2002 bp

RefSeq ORF: 1581 bp

Locus ID: 381903

UniProt ID: [Q6P8H8](#)

Cytogenetics: 7 E1

Gene Summary: Adds the second glucose residue to the lipid-linked oligosaccharide precursor for N-linked glycosylation. Transfers glucose from dolichyl phosphate glucose (Dol-P-Glc) onto the lipid-linked oligosaccharide Glc(1)Man(9)GlcNAc(2)-PP-Dol before it is transferred to the nascent peptide (By similarity). Required for PKD1/Polycystin-1 maturation and localization to the plasma membrane of the primary cilia (PubMed:28375157).[UniProtKB/Swiss-Prot Function]