

Product datasheet for **RN207072**

Alg6 (NM_001033709) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg6 (NM_001033709) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alg6
Synonyms:	MGC124652
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207072 representing NM_001033709
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGAGCTGGACCTGGATGACAGTCGTGGTCTTACTTGGACTCACGGTGCCGGTGGACGGTTTCTCTCA
 ATTCTTACTCAGGTGCTGGAAAACCGCCTATGTTTGGTGATTATGAAGCTCAGAGACACTGGCAAGAAAT
 TACCCCTAACTTACCAGTCAAACAATGGTATTTAACAGTAGTGATAACAATTTACAGTACTGGGGATTG
 GATTACCCACCTTACGGCCTATCACAGTCTCTATGTGCATATGTGGCAAAGTTATAAACCCAGACT
 GGGTTGCTCTCCACACATCACGAGGCTATGAGAGTCAGGCACACAAGCTCTTCATGCGTACCACAGTTCT
 CGCTGCTGATTTGCTCATTTATATACCCGCACTGCTTTTGTACTGTTACTCCTTAAAGAAATCTCACCT
 AAGAGAAAGATCGCCAGCGCGCTATGCATATTGCTGTACCAGGCTCATTCTTATCGACTATGGACATT
 TTCAGTAAATTCTGTGAGTCTGGCTTTGCTCTGTGGGGTGTCTTGGAGTGTCTTGTGACTGGGACCT
 GCTAGGGTCATTGGCCTTTTGTAGCTCTAAATTATAAACAGATGGAGCTTTACCACTCCCTACCATT
 TTTTGCTTTTACTTGGCAAATGTTTTAAAAAGGCCCTCAGAGGAAAGGGTCTGCATTGTTCAATAGGA
 TAGCCTGTACTGTGCGTGGCCTCCTTCTCTGTGTTGGCTGCCGTTCTTGACAGAAAGGGAGCATGCCCT
 GCAGGTCGTGAGAAGACTCTCCCTGTTGATCGCGGATTGTTGAGGATAAAGTAGCCAATATTTGGTGC
 AGCCTTAATGTTTTCTGAAGATTAAGACATTTGCCTCGTCACATCCAGATAGCAATCAGCTTTTGTCT
 TCACATTTTGTAGCTTGCTTCTGCATGCATAAAGTTGACAGTTCAGCCCTCTGCTAAAGGATTCAGATT
 CACTCTGGTTAGCTGTGCACTATCATTCTTTCTGTTTTCTTCCAAGTACACGAGAAGTCCATTCTTTG
 GTATCACTACCAGTCTGCTTAGTTTTAACTGAAATTCCTTTCATGTCAACTTGGTTTTTACTAGTTTCAA
 CGTTTAGCATGCTGCCTTCTATTAAGGACCAACTCCTGCTGCCCTCGGTTGTGACAGTATGGCGTT
 TTTAATAGCTTGTCCACCTTCTCCCAATGTTTGAAAACAATTCTGAGGAACAACCTGCAGCTGAAGTCC
 TTTGCCGCTCTGTGAGGAGGCACCTTCCGGGTTTACGTTTTCTCCAGAATTATACAGTGTGTTGTTTC
 TTTCTTCACTCATCACCATGATCCTTCTGACGATTTTGTGAGTGTAACTGGACCCTCCTCAGAAATTACC
 AGACTTGTCTTCTGACTTATATGTTTTGTGCTCTGTGTAACCTTTGTATTCTTCTTGGTATATTTAAAC
 ATTGTAATCATGTGGATTCCAAAAATGGAAGAAATCGTAAGAAATTGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001033709

Insert Size: 1524 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_001033709.1](#), [NP_001028881.1](#)

RefSeq Size: 3007 bp

RefSeq ORF: 1524 bp

Locus ID: 362547

UniProt ID: [Q3T1L5](#)

Cytogenetics: 5q33

Gene Summary: Adds the first 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 Man(9)GlcNAc(2)-PP-Dol (By similarity).[UniProtKB/Swiss-Prot Function]