

## Product datasheet for **MR223659**

### **Alg6 (NM\_001081264) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Alg6 (NM_001081264) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg6
Synonyms:	E230028F23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR223659 representing NM\_001081264  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGAGCTGGCCGTGGATGGCAGTCGTGGTCTTACTAGGACTTACGGTGCCGTGGACGGTCTCTCTCA  
 GTTCTACTCAGGTGCTGAAAAACCACCTATGTTTGGTGATTATGAAGCTCAGAGGCACTGGCAGGAAAT  
 TACCCTTAATTTACCAGTCAAACAGTGGTATTTAACAGTAGTGATAACAATTTACTGTACTGGGGATTG  
 GATTACCCACCTTTACGGCCTATCATAGCCTCTTATGTGCATATGTGGCAAAGTTTATAAACCCAGACT  
 GGGTTGCTCTCCACACATCACGAGGCTATGAGAGTCAGGCACACAAGCTCTTCATGCGTGCCACAGTTCT  
 TGCTGCTGATTTGCTCATTTACGTACCCGCGGTGCTTTTGTACTGTTACTCCTTAAAAGAAATCTCACCT  
 AAGAGAAAGATTGCTAGTGCATTATGCATATTGCTGTATCCAGGCTTATTCTTATCGACTATGGACATT  
 TTCAATAAATTCTGTGAGTCTTGGCTTTCGCTTGTGGGGTGTCTTGGAGTATCTTGGGACTGGGACCT  
 GCTAGGGTCACTGGCATTGCTTAGCTCTAAATTATAAGCAGATGGAACCTTACCCTCCCTGCCATTT  
 TTTTGCTTTTACTTGGCAAGTGTAAAAAAGGCCCTCAAAGGAAAGGGGCTTGCATTGTTCAATTAGGA  
 TAGCCTGTACTGTCTGGCTTCTTCTCTGTGTTGGCTGCCGTTCTTGACAGAAAGGGAGCATGCCCT  
 GCAGGTTGTTAGAAGACTCTCCCTGTTGACCGTGGACTGTTGAGGATAAAGTCGCTAATATTTGGTGC  
 AGCGTTAATGTCTTTCTGAAGATTAAGGACACTTTCCTCGCCACATCCAGATAGCGATCAGCTTTTGT  
 TTACACTTTTGTAGCTTCTTCTGCATGTATAAACTGACAGTTCGACCTCTTGTAAAGGATTGAGATT  
 TACTCTGGTTAGCTGTGCGCTATCATTCTTCTGTTTTCTTCCAAGTACATGAAAGTCCATTCTCTTG  
 GTATCATTACCAGTTGCTTAGTCTTAAAGGATGAACCTGCTGCCCTCGGTTGTGACAGTATGGCATT  
 CATTTAGCATGCTGCCTCTTCTATAAAGGATGAACCTGCTGCCCTCGGTTGTGACAGTATGGCATT  
 TGTAATAGCTTGTGGCACTTCTTCCAATGTTGGAGAACAACCTCCGAAGAACAACCTGCAGTTGAAGTCC  
 TTTGCTGTCTGTAAAGGAGCACCTTCCGGGCTTACATTTTTGCCAGAATTATGCAGTGTGTTGTTTC  
 TTTCTTACGTATCACCATGGTCTCTGACGATTTTGTAGTGTAACTGGACCTCCTCAGAAATTACC  
 AGACTTGTCTGACTTATATGTTTTGTTCTGTGTAATTTTGTATTCTTCTTGGTATACTTTAAT  
 ATTGTAATCATGTGGATTCCAAAAATGGAAGAAATCGGAAGAAATTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223659 representing NM\_001081264  
 Red=Cloning site Green=Tags(s)

MESWPWMAVVVLLGLTVRWTVLSYSYGAGKPPMFGDYEAQRHWQEITLNLVVKQWYFNSSDNNLLYWGL  
 DYPPLTAYHSLLCAYVAKFINPDWVALHTSRGYESQAHKLFMRATVLAADLLIYVPAVLLCYSLKEISP  
 KRKIASALCILLYPGLILIDYGHFQYNSVSLGFALWGVLGVSWDWDLGSLAFCLALNYQMELYHSLPF  
 FCFLLGKCFKKGLKGLALFIRIACTVLAFLCWLPLTEREHALQVVRRLFPVDRGLFEDKVANIWC  
 SVNVFLKIKDTLPRHIQIAISFCFTLLSLLPACIKLTVRPSCKGFRFTLVSCALSFFLFSFQVHEKSILL  
 VSLPVCLVLTETIPFMSTWFLLVSTFMSLPLLLKDELLPSVVTVMFVIACGTFPMPLENTSEEQLQKLS  
 FAVSVRRHLPGFFLPRIMQCLFLSSVITMVLILTILSVTLDPQKLPDLFPVLICFVSCVNFVFFLVYFN  
 IVIMWDSKNGRNRKKIE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9016\\_b12.zip](https://cdn.origene.com/chromatograms/mm9016_b12.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001081264

**ORF Size:** 1521 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001081264.1](#), [NP\\_001074733.1](#)

**RefSeq Size:** 3114 bp

**RefSeq ORF:** 1524 bp

**Locus ID:** 320438

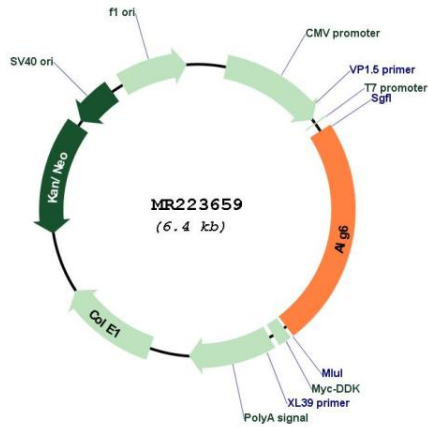
**UniProt ID:** [Q3TAE8](#)

**Cytogenetics:** 4 C6

**MW:** 58.3 kDa

**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]

**Product images:**



Circular map for MR223659