

Product datasheet for **MR209398**

Alg9 (NM_133981) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg9 (NM_133981) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg9
Synonyms:	8230402H15Rik; A1747665; B430313H07Rik; Dibd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209398 representing NM_133981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAGCCGAAGGGCCCGCAGCGCCTCAAGGGTGGCGGGCGGTGGCGGGCGGTGGGGATGCGG
 GCCCGGGCGGAGAAAGCTGGAACAGCTCGGCAGCCGGAGGCAGCGCAGAGCCCGGCCAGAGTCTGG
 AAATAAAGCAGGGCAAGTCTGGGCCCTGAAGGATCCACTGCTTTCAAGTGTCTGCTCTCAGCGAGGTTG
 TGCGCAGCCCTTCTGAGCAACATCTCGACTGTGATGAAACATCAACTACTGGGAACCAACACTACTACC
 TCATCTACGGGAAGGATTCCAGACATGGGAATTTCCCCCGTGTATGCCATCCGCTCATATGCTTACCT
 GCTGCTGCACGCCTGGCCAGCTGCATTTTCATGCACGGATTCTGCAGACTAACAAGATTCTTGTATTCTAC
 TTTTTGAGATGTCTCCTGGCTTTTGTGAGCTGTGTTTGTGAACCTTACTTTTATAAGGCTGTGTGAAGA
 AGTTTGGGCTGCATGTGAGTGAATGATGCTGGCCTTCTGGTGTCTCAGCACGGGATGTTCTGCTCATC
 ATCTGCATTCCTCCCGCAGCTTCTGCATGTACACCACGCTGATCGCCATGACGGGATGGTATATGGAC
 AAGACACCCATTGCTGTGCTGGGAGTAGCAGCTGGTGCCATCTTAGGGTGGCCGTTTAGTGCAGCTCTTG
 GTTACCCATCGCCTTCGACTTGTGGCCAGGAAGCACAGGTGGAAGAGTTTTCTCTCTGGTCCCTGGT
 GGCCCTGGCTCTCTTCTTGGTGCCCGTGGTGGTCAATTGACAGCTACTATTACGGGAAGTTGGTGGTTGCC
 CCTCTCAACATTGTTTTGTATAACGCTTTACGCTCATGGACCTGATCTTTATGGTACAGAACCATGGT
 ATTTCTATTTAATCAATGGATTTCTGAACCTCAATGTTGCCTTTGCTTTGGCTCTCTGGTTTTGCCACT
 GACTTTCCCTTAGGAGTACCTGCTGCAGAGGTTCCATGTTTCAAGATTTAGGACACCCGATTGGCTGACC
 TTGGCGCAATGTATATTTGGTTTATAATTTTCTCATCCAGCCTCATAAAGAAGAGCGCTTTCTCTTCC
 CAGTCTATCCGCTCATATGCCTCTGGTGTCTGTTGCTCTTCTGCACTTCAGAAATGCTACCACCTTGT
 GTTTCAACGATACCGCCTGGAGCATTACACGGTGACGTCCTCAACTGGCTGGCGCTGGGCACAGTTTTCTGT
 TTTGGGCTCTTGTGCTTCTCCCGCTCTGTGGCTCTGTTTCAAGGATACCGGGCCCTTGTATTTATATC
 CAGAATTTTACAGAATTGCCACAGACCCAACTCCACTGTCCAGAAAGCAGGCCCGTGAACGCTCTG
 TGTGGGAAAAGAGTGGTATCGATTTCCAGTAGCTTCTTCTGCTGACAATTGGCAGCTTCAGTTCATT
 CCATCAGAGTTCAGAGGTCAGCTACCAAGCCTTTCGAGAGGGACCCTGGCCACCAGGACTGTTCCCA
 CTCACATGAACGACCAGAACCGAGAGGAGCCTTCCAGATACATTGACATCAGCAATGCCATTACTAGT
 GGATTTGGATACCATGAGAGAAACCTCGGGAGCCAACTACTCATCCACAGAGAAGAGTGGGTCAGC
 CTGGCTCAGACACATTCTGGATGCGTCTAGGCTTCCAAGTGTCTTGGGCATTCTATGTTCCCTTCC
 TGTCAGATCAGTACACGGTGTATGTGAACACACCATCCTGAAGCCTCGAAAGCAAAGCCGAGCAGGAA
 GAAAAGTGGAGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209398 representing NM_133981
 Red=Cloning site Green=Tags(s)

MASRRARQLKGGGGGGGGDAGPAAEKLEQLGSREAGAEPRPESGNKAGQVWAPEGSTAFKCLLSARL
 CAALLSNISDCDEFNYWEPHYLIYKGFQWEYSPVYAIRSYAYLLLHAWPAAFHARILQTNKILVFI
 FLRCLLAFVSCVCELYFYKAVCKKFLHVSMMFLVLSGTMFCSSAFLPSSFCMYTTLIAMTGWYMD
 KTPIAVLGVAAGAILGWPFSALGLPIAFDILLARKHRWKSFLLSLVALALFLVPVVVIDSYYYGKLVVA
 PLNIVLYNVFTSHGPDLYGTEPWYFYLINGFLNFVAFALALLVLPLTFLMEYLLQRFHVQNLGHPYWLT
 LAPMYIWFIIFFIQPHKEERFLFPVYPLICLGAVALSALQKCYHFVFQRYRLEHYTVTSNWLALGTVFL
 FGLLSFSRSVALFRGYHGPLDLYPEFYRIATDPTIHTVPEGRPVNVCVGKEWYRFPSSFLLPDNWQLQFI
 PSEFRGQLPKPFAEGPLATRTVPTHMNDQNREEPSRYIDISKCHYLVDLDMRETPREPNYSSHREEWVS
 LAHRPFLDASRSSKLLRAFVYVFLSDQYTVVYNYTILKPRKAKPSRKKSGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9026_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133981

ORF Size: 1833 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.

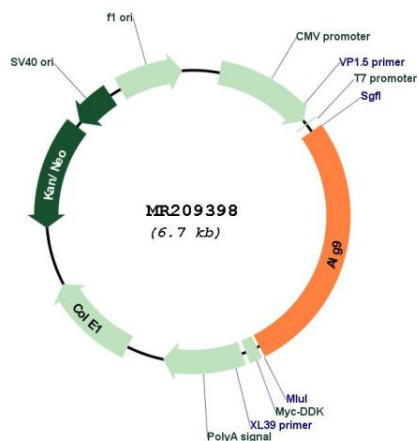
RefSeq: [NM_133981.2](#), [NP_598742.1](#)

RefSeq Size: 2793 bp

RefSeq ORF: 1836 bp

Locus ID: 102580
UniProt ID: [Q8VDI9](#)
Cytogenetics: 9 A5.3
MW: 70 kDa
Gene Summary: Catalyzes the transfer of mannose from Dol-P-Man to lipid-linked oligosaccharides. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209398