

Product datasheet for **MR215729**

Alg11 (NM_183142) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alg11 (NM_183142) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alg11
Synonyms:	A1849156; AW492253; B230397C21; Mmat-4(5)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215729 representing NM_183142
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGGACACTGGGAGCTGGTGCCTGTACGCCGTGCTGCGGTTTTCTATTACTTCTTTCTG
 GACTGATGATATGCGGAGTTTTGTGTATATTTGGTCATTGGCCTTTGGGTTATCAGGTGGCATCTACA
 GAGAAAGAAGAAGTCTGTGTCGACCAGCAAAAATGAAAAAGAACAAACGGTGGTTGCATTTTTCCATCCA
 TACTGTAATGCAGGTGGCGGAGGAGAGAGATTCTGTGGTGTGCTTTGAGAGCCCTGCAGAAAAAGAAAC
 GCTACCTGTGGAAGATCCCGGTATCCTCACTTACATTGCTAGGCCAAAGTCTTGGATCCATTCTTCT
 CGGCTGGGAAGCTCTGATGCAGCGCTTCTGATGTTTACATCGACTCAATGGGATACGCCCTTACACTC
 CCTCTCTTAAGTATGTGGGAGTTGCCGAGTCGGAAGCTATGTTCACTATCCCACGATCAGCACTGACA
 TGCTGTCTGTGGTGAAGAATCAGAATCCTGGATTAATAATGCTGCTTTCATTAGCAGAAATGCTCTTCT
 CAGCAAAGCAAAGCTCATCTATTACTATTTATTTGCTTTTGTGTTATGGCCTTGTGGATCTTGCAGTGAC
 ATAGTCATGGTTAATCTTCTTGGACATTAACCATATCCTCTCACTGTGGAAAGTTGGGCATTGCACTA
 ACATTGTCTATCCACCTTGTGATGTGCAGACATTTCTGGACATCCCTTACATGAGAAGAAGGTGACCCC
 AGGGCATTGTGGTTCCATTGGCCAGTTCAGACCTGAAAAGAATCATGCTTTGCAGATCAAAGCCTTT
 GCTAAATTGTTAAATGAGAAAGCAGCTGAGTTAGGCCATTTCTTAAACTTGTCCTATTGGAGGGTGTC
 GCAACAAAGATGATGAGTTTAGAGTAAACCAACTGAGAAGTCTATCTGAGAATTTGGGAGTTCAAGAAAA
 TGTGGAATTTAAAATAACATTTTCATTCGATGAATTGAAGAATTACTTGTCTGAAGCGACCATCGGTCTG
 CATACTATGTGGAATGAGCATTTTGGGATTGGAGTTGTCGAGTGTATGGCAGCTGGCACAGTTATCCTTG
 CACACAACCTCAGGAGGCCCGAAGCTGGACATTGTCATTCTCATGAAGGACAGATAACTGGCTTTCTGGC
 TGAGAGTGAAGAAGGCTATGCTGACTCTATGGCTCACATTCTTTCTCTGTCTGCAGAAGAGAGACTCCAA
 ATCAGGAAGAATGCTAGAGCGTCTATAAGCAGATTCTCCGACCAGGAGTTGAAGTAGCATTCTGTGTT
 CCATGGAGAAGTTACTTACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215729 representing NM_183142
 Red=Cloning site Green=Tags(s)

MAADTGSWCVYAVLRFYSLFFPGLMICVLCVYLVIGLWVIRWHLQRKKKSVSTSKNGKEQTVVAFFHP
 YCNAGGGGERVLWCALRALQKKRYLVEDSRYPHFLLGQSLGSILLGWEALMQRVPDVYIDSMGYAFTL
 PLFKYVGGCRVGSYVHYPTISTDMLS VVKNQNPGFNNAAFISRNALLSKAKLIYYLFAFVYGLVGSCSD
 IVMVNSSWTLNHILSLWKVGHCTNIVYPPCDVQTFLDIPLHEKKVTPGHLLVSIQGFPEKNHALQIKAF
 AKLLNEKAAELGHSLKLVLIIGGCRNKDDEFRVNLRLSENLVQENVEFKINISFDELKNYLSEATIGL
 HTMWNEHFGIGVVECMAGTVILAHNSGPKLDI VIPHEGQITGFLAEESEEGYADSMAHILSLSAEERLQ
 IRKNARASISRFSDQEFVAFVFLCSMEKLLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9028_c06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_183142

ORF Size: 1350 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_183142.4](#), [NP_898965.1](#)

RefSeq Size: 1497 bp

RefSeq ORF: 1353 bp

Locus ID: 207958

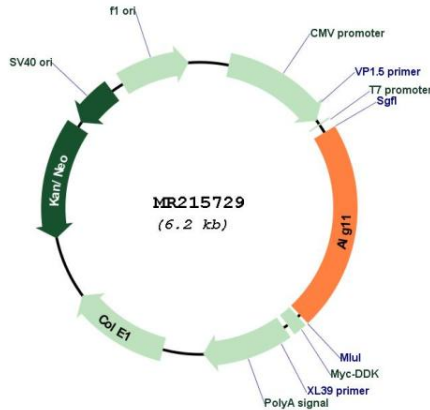
UniProt ID: [Q3TQM9](#)

Cytogenetics: 8 A2

MW: 50.9 kDa

Gene Summary: Mannosyltransferase involved in the last steps of the synthesis of Man5GlcNAc(2)-PP-dolichol core oligosaccharide on the cytoplasmic face of the endoplasmic reticulum. Catalyzes the addition of the 4th and 5th mannose residues to the dolichol-linked oligosaccharide chain (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR215729