

Product datasheet for MR215139

A4gnt (NM_001077424) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A4gnt (NM_001077424) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	A4gnt
Synonyms:	alph; Alpha4gnt; AV080780; Gm798
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215139 representing NM_001077424 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAAGGAAATTTATCTCTCCCTGTCCCTGGTCTGGTGTTCCTGTGGCCTGCTGTACCAGCTCA
CCATGAGGTCTCAGTGCTTTTGCCTGCCTGCCTCCTTTCTCATTCCACAGGGACTGGACGGCCTCCT
GAGGAGTGGACGAAGCATCATGTTTATAGAGACCTCTGAAAGGGTGGAGCCACCTCCGATGGTCTCCTGT
GCTGTGGAGTCTGCTGCTAAAATCTATCCTGAGCAGCCCATCATCTTCTCATGAAAGGACTCAGGGACT
CCGTACAGCTGACTTCAAATACCAGCTACCCAGCCTTCTCCCTCCTCTCGGCCATTAATAATGTTTTCTT
TGTGCCTTTGGACATGGAAAGACTGTTCAAAGACACACCTTGTTCGTTTTCGTTGACACAAAAGTCAACAGC
AGTACAGAGAAACACTGGCTCCACGTCAGCTCCGACGCAGCCCGCTGGCCATCATCTGGAAGTACGGAG
GCATCTACATGGACACTGACGTCACTCCCTTCAGCCCATCCCTGAGGAGAACTTCTGGCAGCCAGGG
CTCCCGACACTCCAGTAACGGGGTATTTGGGTTCTCCCCACCACCCCTTCTGTGGCCCTGCATGGAG
AACTTTGTAGAGCACTATGACTCAACATTTGGGGCAACCAAGTCCCAGTTGATGACAAGGATGTTAC
GGGTGTGGTGTGCTTAAAGACTTCCACGGGTGGGTGACCTGAAGTGTGTAATTTCTTTCTTCA
TCCCCAGAGATTTACCCCATCCCTTATCCACAGTGAAGCGCTACTACCAAGTGTGGGACAAAGAGCCC
AGCTTCAATGAGTCTACGCACTGCATTTGTGGAATATATGAATAAAGAGGGCAAGACTGTGGTTAGAG
GAAGCAAACTCTGGTGGAAAATCTCTATCAAAAGCACTGTCTAAGACTTATAGGGTTCTGATTC AAGG
TGCAGAAGGGACAGTGTCCAAGAAGCCAGGCACAGGTTCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215139 representing NM_001077424
Red=Cloning site Green=Tags(s)

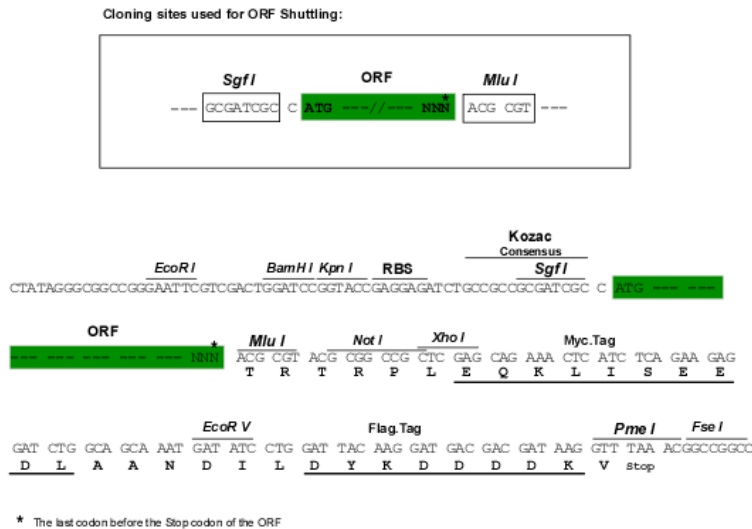
MLKEIYLSLSLVLFACGLLYQLTMRSQCFACLPFFSFPQGLDGLLRSGRSIMFIETSERVEPPPMVSC
 AVESAAKIYPEQPIIFFMKGLRDSVQLTSNTSYPAFSLLSAINNVFFVPLDMERLFKDTPLFSWYTKVNS
 STEKHHLVSSDAARLAIWIKYGGIYMDTDVISLQPIEENFLAAQSRHSSNGVFGFLPHHPFLWACME
 NFVEHYDSTIWGNQGPQLMTRMLRVWCRLKDFHGLGDLKCLNISFLHPQRFYPIYPYQWKRYQVVDKEP
 SFNESYALHLWNYMKEGKTVVRGSKTLVENLYQKHCPKTYRVLIQGAEGTVSKKPGTGSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077424

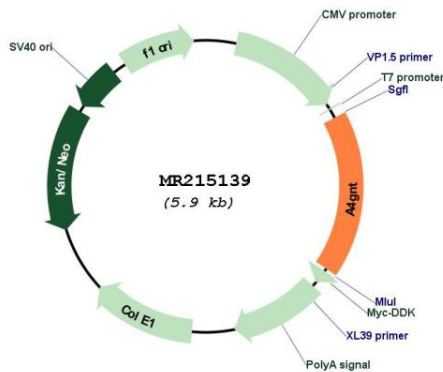
ORF Size: 1023 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001077424.2</u> , <u>NP_001070892.1</u>
RefSeq Size:	2757 bp
RefSeq ORF:	1026 bp
Locus ID:	333424
UniProt ID:	<u>Q14BT6</u>
Cytogenetics:	9 E3.3
MW:	39.3 kDa
Gene Summary:	This gene encodes a protein from the glycosyltransferase 32 family. The encoded enzyme catalyzes the transfer of N-acetylglucosamine to alpha-1,4-linked beta-galactose residues. This enzyme is required for type III mucin synthesis and it is largely associated with the Golgi apparatus membrane. The encoded protein appears to be expressed in adenocarcinoma cells of pancreatic, biliary tract and gastric cancers.[provided by RefSeq, Jan 2010]

Product images:



Circular map for MR215139