

Product datasheet for MC213079

A4galt (NM_001170954) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	A4galt (NM_001170954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	A4galt
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC213079 representing NM_001170954 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCATCTCCTGTTCCCATCTGGAGGAGACCATGTCCAAGCCCCGACTGCCTGCTGCGGATGCTCA
GGGGCACCCCCAGACAGCGGGTCTTCACCTTCTTCATCATCAGCTTCAAGTTCATGTTCTTGATCTCCAT
CCTGATCTACTGGCACACTGTGGGTGCACCCAAGGACCAAGAGAGATAGCCTGCCAGTAGACTTCTCC
TGCCCCAGCTGGCCTTTCCTAGAGTCTCTGCCCCAGGCAACATCTTCTCCTAGAGACATCGGACAGGA
CCAGTCCCAACTTCTATTTATGTGTTCTGTGGAATCAGCTGCCAGGGCACACCCTGAATCCCAGGTGGT
TGTGCTGATGAAAGGGCTGCCTAGGGACACCACAGCTCAGCCCCGGAACCTCGGCATCTCTCTTCTGAGC
TGTTTTCTAATGTCTGGATACGACCTCTGGACTTGCAAGAAGTGTGAGGACACACCACTGGCAGCCT
GGTACTCGGAGGCACGGCACAGATGGGAGCCCTACCAGTTGCCGTAAGTGTCTGATGCTTCCAGGATCGC
ACTCCTCTGGAAGTTTGGTGGGATCTACCTGGACACAGACTTCATCGTCTCAAGAACCTGCTCAACCTG
ACCAACACGCTGGGCATCCAATCCCGCTATGTCCTCAACGGTGCCTTCTAGCCTTCGAGCGCAAGCATG
AGTTCTTGGCACTGTGTCTACATGACTTGTGGCCAACAATGTTGGATTTGGGGTACCAGGGCCC
CCAAGTCTTACCGAGTCTTCAAGAAGTGGTGTCCATCCAAAGCCTGGAAAAGAGCCATGCTTGCCGT
GGGGTCACTGCCCTGCCCCCCGAGGCCTTCTACCCCATCCCTGGCAGAAGTGGAAAGAAATACTTTGAAG
ACATCAGCCCCGAGGAGCTGACCAGCTGCTCAATGCCACCTATGCTGTTGATGTGTGGAACAAGAAAAG
TCAGGGTACACACCTAGAGGCCACATCCAAGGCTCTGCTGGCCAGCTACATGCCCGCTATTGCCCTACG
ACACATAGAGCCATGAAGATGTACTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001170954
Insert Size:	1080 bp



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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:	<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_001170954.1</u> , <u>NP_001164425.1</u>
RefSeq Size:	2145 bp
RefSeq ORF:	1047 bp
Locus ID:	239559
UniProt ID:	<u>Q67BJ4</u>
Cytogenetics:	15 E1
Gene Summary:	<p>The protein encoded by this gene catalyzes the transfer of galactose to lactosylceramide to form globotriaosylceramide, which has been identified as the P(k) antigen of the P blood group system. The encoded protein, which is a type II membrane protein found in the Golgi, is also required for the synthesis of the bacterial verotoxins receptor. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All three variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>