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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC213079 representing NM_001170954
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCATCTCCTGTTCCCATCTGGAGGAGACCATGTCCAAGCCCCCCGACTGCCTGCTGCGGATGCTCA
GGGGCACCCCCAGACAGCGGGTCTTCACCTTCTTCATCATCAGCTTCAAGTTCATGTTCTTGATCTCCAT
CCTGATCTACTGGCACACTGTGGGTGCACCCAAGGACCAAAGAGAGTATAGCCTGCCAGTAGACTTCTCC
TGCCCCCAGCTGGCCTTTCCTAGAGTCTCTGCCCCAGGCAACATCTTCTTCCTAGAGACATCGGACAGGA
CCAGTCCCAACTTTCTATTTATGTGTTCTGTGGAATCAGCTGCCAGGGCACACCCTGAATCCCAGGTGGT
TGTGCTGATGAAAGGGCTGCCTAGGGACACCACAGCTCAGCCCCGGAACCTCGGCATCTCTCTTCTGAGC
TGTTTTCCTAATGTCTGGATACGACCTCTGGACTTGCAAGAACTGTTTGAGGACACACCACTGGCAGCCT
GGTACTCGGAGGCACGGCACAGATGGGAGCCCTACCAGTTGCCCGTACTGTCTGATGCTTCCAGGATCGC
ACTCCTCTGGAAGTTTGGTGGGATCTACCTGGACACAGACTTCATCGTCCTCAAGAACCTGCTCAACCTG
ACCAACACGCTGGGCATCCAATCCCGCTATGTCCTCAACGGTGCCTTCCTAGCCTTCGAGCGCAAGCATG
AGTTCTTGGCACTGTGTCTACATGACTTCGTGGCCAACTACAATGGTTGGATTTGGGGTCACCAGGGCCC
CCAACTGCTTACCCGAGTCTTCAAGAAGTGGTGTTCCATCCAAAGCCTGGAAAAGAGCCATGCTTGCCGT
GGGGTCACTGCCCTGCCCCCCGAGGCCTTCTACCCCATCCCCTGGCAGAACTGGAAGAAATACTTTGAAG
ACATCAGCCCCGAGGAGCTGACCCAGCTGCTCAATGCCACCTATGCTGTTCATGTGTGGAACAAGAAAAG
TCAGGGTACACACCTAGAGGCCACATCCAAGGCTCTGCTGGCCCAGCTACATGCCCGCTATTGCCCTACG
ACACATAGAGCCATGAAGATGTACTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001170954

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Insert Size:	1080 bp
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:	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_001170954.1, NP_001164425.1
RefSeq Size:	2145 bp
RefSeq ORF:	1047 bp
Locus ID:	239559
UniProt ID:	Q67BJ4
Cytogenetics:	15 E1
Gene Summary:	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] 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.

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