

Product datasheet for **RR215459**

A4galt (NM_022240) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: A4galt (NM_022240) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: A4galt
 Synonyms: Gb3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR215459 representing NM_022240
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCATCTCCCGTTCCGATCTGGAGGAGACCATGTCCAAGCCCCCGACTGCCTGCCTCGGATGCTCA
 GGGGCACGCCAGACAGCGGGTCTTCACCTCTTCATTATCAGCTTCAAGTTCACCTTCTGGTCTCCAT
 CCTGATCTATTGGCACACAGTGGGTGCACCCAAGGACCAAGACGACAGTACAGCCTGCCAGTGGACTTC
 CCCTGCCCCAGCTGGCCTTTCCTAGAGTCTCTGCCCCAGGCAACATCTTCTTCCAGAGACCTCCGACA
 GGACCAACCCAGCTTTCTGTTTATGTGTTCTGTGGAATCAGCTGCCAGGGCACACCCTGAGTCCCAGGT
 GGTGGTGCTATGAAAGGGCTGCCTAGGGACACTACCGCATGGCCCCGGAACCTTGGCATCTCTCTCCTG
 AGCTGCTTTCCCAATGTCCAGATACGACCTTTGGACCTGCAAGAAGTGTGGAGGACACGCCACTGGCAG
 CCTGGTACTTGGAGGCACAGCACAGGTGGGAACCTACCTGTTGCCGGTGTCTGTGACGCTTCCAGGAT
 CGCACTCCTCTGGAAGTTTGGTGGCATCTACTTGGACACAGACTTCATCGTCCTCAAGAATTACGCAAC
 CTGACCAACATGCTGGGCATCCAGTCCCGCTACGTCCTCAATGGCGCCTTCTAGCCTTCGAGCGTAAGC
 ACGAGTTCCTGGCACTGTGCATACGTGACTTTGTGGCCATTACAATGGTGGATTGGGGCCACCAGGG
 CCCCCAACTGCTTACCGAGTCTTCAAGAAGTGGTGTTCATCCACAGCCTGAAGGAGAGCCGAGCTTGC
 CGCGGGGTCACTGCCCTGCCTCCCGAGGCTTTTACCCATCCCCTGGCAGAAGTGAAGAATACTTTG
 AAGACGTCAGCCCCGAGGAGCTAGCCCAGCTGCTCAATGCCACCTATGCTGTTTATGTGTGGAACAAGAA
 AAGTCAGGGTACACATCTAGAGGCCACATCCAGGGCTCTGCTGGCTCAGCTACATGCCCGCTACTGCCCT
 ACGACGCACAGGCCATGACGATGTAATTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215459 representing NM_022240
 Red=Cloning site Green=Tags(s)

MGISRSDLEETMSKPPDCLPRLRGTPRQRVFTLFIIISFKFTFLVSILYWHYVWGAPKQRRQYSLPVDF
 PCPQLAFPRVSAPGNIFFLETSDRTPNSFLFMCVESAARAHPEQVVLVLMKGLPRDTTAWPRNLGISLL
 SCFPNVQIRPLDLQELFEDTPLAAWYLEAQRWEPYLLPVLSDASRIALLWKFGGIYLDTDFIVLKNLRN
 LTNMLGIQSRVYLNQAFLAFAERKHEFLALCIRDFVAHYNGWIWGHQGPQLLTRVFKKWCSEIHSKESRAC
 RGVTLAPPEAFYPIPWQNWKKYFEDVSPEELAQLLNATYAVHVWNKKSQGTHTLEATSRALLAQLHARYCP
 TTHRMTMYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

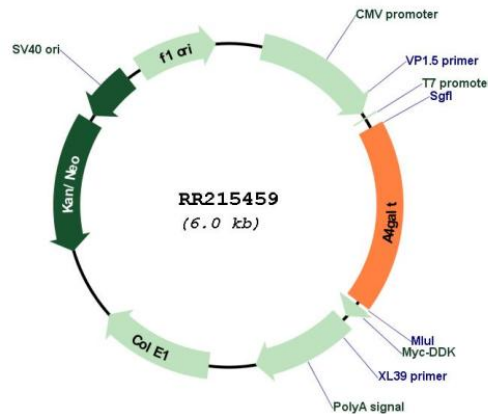
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_022240

ORF Size:	1080 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:	<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:	NM_022240.2 , NP_071576.1
RefSeq Size:	1676 bp
RefSeq ORF:	1083 bp
Locus ID:	63888
UniProt ID:	Q9J193
Cytogenetics:	7q34
MW:	41.6 kDa
Gene Summary:	transfers a UDP-sugar in an alpha1, 4-linkage to a beta-linked Gal found in mucin [RGD, Feb 2006]