

## Product datasheet for RN215459

### A4galt (NM\_022240) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: A4galt (NM\_022240) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: A4galt  
 Synonyms: Gb3  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN215459 representing NM\_022240  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCATCTCCCGTTCCGATCTGGAGGAGACCATGTCCAAGCCCCCGACTGCCTGCCTCGGATGCTCA  
 GGGGCACGCCAGACAGCGGGTCTTCACCTCTCATTATCAGCTTCAAGTTACCTTCTTGGTCTCCAT  
 CCTGATCTATTGGCACACAGTGGGTGCACCCAAGGACCAAGACGACAGTACAGCCTGCCAGTGGACTTC  
 CCCTGCCCCAGCTGGCCTTTCCTAGAGTCTCTGCCCCAGGCAACATCTTCTTCCAGAGACCTCCGACA  
 GGACCAACCCAGCTTCTGTTTATGTGTTCTGTGGAATCAGCTGCCAGGGCACACCCTGAGTCCCAGGT  
 GGTGGTGTCTATGAAAGGGCTGCCTAGGGACACTACCGCATGGCCCCGGAACCTTGGCATCTCTCCTG  
 AGCTGCTTTCCCAATGTCCAGATACGACCTTGGACCTGCAAGAAGTGTGGAGGACACGCCACTGGCAG  
 CCTGGTACTTGGAGGCACAGCACAGGTGGGAACCTACCTGTTGCCGGTGTCTGTGACGCTTCCAGGAT  
 CGCACTCCTCTGGAAGTTTGGTGGCATCTACTTGGACACAGACTTCATCGTCCTCAAGAATTACGCAAC  
 CTGACCAACATGCTGGGCATCCAGTCCCGCTACGTCCTCAATGGCGCTTCTAGCCTTCGAGCGTAAGC  
 ACGAGTTCCTGGCACTGTGCATACGTGACTTTGGGCCATTACAATGGTTGGATTGGGGCCACAGGG  
 CCCCCAAGTCTTACCGAGTCTCAAGAAGTGGTGTTCATCCACAGCCTGAAGGAGAGCCGAGCTTGC  
 CGCGGGGTCACTGCCCTGCCTCCCGAGGCTTTTACCCATCCCCTGGCAGAAGTGAAGAATACTTTG  
 AAGACGTCAGCCCCGAGGAGCTAGCCCAGCTGCTCAATGCCACCTATGCTGTTTATGTGTGAACAAGAA  
 AAGTCAGGGTACACATCTAGAGGCCACATCCAGGGCTCTGCTGGCTCAGCTACATGCCCGCTACTGCCCT  
 ACGACGCACAGGCCATGACGATGACTTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI  
 ACCN: NM\_022240



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<b>Insert Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_022240.2</a></u> , <u><a href="#">NP_071576.1</a></u>
<b>RefSeq Size:</b>	1676 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	63888
<b>UniProt ID:</b>	<u><a href="#">Q9JI93</a></u>
<b>Cytogenetics:</b>	7q34
<b>Gene Summary:</b>	transfers a UDP-sugar in an alpha1, 4-linkage to a beta-linked Gal found in mucin [RGD, Feb 2006]