

## Product datasheet for RN214916

### A3galt2 (NM\_138524) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** A3galt2 (NM\_138524) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** A3galt2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN214916 representing NM\_138524  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCTGGAGGGACTCAGGGCCAAGAAGAGACTCCTGTGGCGACTCTTCCTGTCTGCGTTTGGTCTCC  
TAGGCCTGTACCATTAAGGTTCAAGATTTTCAGGCTCTTTGAAGTGTTTCATCCCATGGGCATCTGCC  
TATGGCCATCATGCCTCTGCTAAAGGACAATTTACCGGAGTGTGCGTCACTGGCCCGGCTGAAGTC  
CTGACCTGTACCTCTTGGGGAGCCCAATTATCTGGGATGAGACCTTCGACCCACACGTAGCTGAGCGAG  
AGGCGAGACGGCAGAACCTTACCATTGGACTGACTGTCTTTGCGGTAGGCAGTACCTGGAGAAGTACCT  
GGAGCACTTCTGGTATCGGCAGAGCAGTACTTCATGGTCGGCCAGAACGTGGTGTATTATGTGTTTACC  
GACCGACCGGAAGCAGTGCCCCACGTGGCTCTAGGCCAGGGTCGCCTGCTGCGGGTGAACCAGTGAGAA  
GAGAGAAGCGCTGGCAGGACGTGTCAATGGCTCGCATGCTCACGCTACACGAGGCTCTGGGAGGGCAGCT  
GGGCCGAGAAGCTGACTATGTGTTCTGCCTGGACGTGGACCAGTACTTCAGCGGTAACCTTCGACCCGAG  
GTGCTGGCAGATTTGGTGGCACAGCTGCACGCCTGGCACTTCCGCTGGCCTCGGTGGATGCTGCCCTACG  
AGAGGGACAAGCGGTGGCTGCCGCGTGTGTTAAGCGAAGGCGATTTCTACTACCACGCCGCGGTGTT  
CGGGGGCAGTGTGGCGGCTCTGCTCAAGCTGACGGCTCACTGTGCGACTGGCCAACAGCTGGACCGTGAG  
CATGGCATTGAGGCACGCTGGCAGCAGAGGCCACCTCAACAAGTTCTTCTGGCTGAGCAAGCCACCA  
AGCTGCTGTGCGCAGAGTTTGTGGGAGAGGAAATTTGGCTGGAGGCCAGAGATCCACCACCCTCGTCT  
GATCTGGGCACCAAGGAGTACGCACTGGTGGCAACCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_138524



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<b>Insert Size:</b>	1020 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>	<a href="#">NM_138524.2</a> , <a href="#">NP_612533.1</a>
<b>RefSeq Size:</b>	1936 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	171553
<b>UniProt ID:</b>	<a href="#">A0A4Z3</a>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	UDP-galactose: beta-d-galactosyl-1,4-glucosylceramide alpha-1, 3-galactosyltransferase; involved in the synthesis of the isoglobo-series of glycosphingolipids [RGD, Feb 2006]