

Product datasheet for **MC218093**

Ggta1 (BC006810) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggta1 (BC006810) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ggta1
Synonyms:	GALT, Gal, alpha3GalT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC006810 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATCACTATGCTTCAAGATCTCCATGTCAACAAGATCTCCATGTCAAGATCCAAGTCAGAAACAAGTC
TTCCATCCTCAAGATCTGGATCACAGGAGAAAATAATGAATGTCAAGGGAAAAGTAATCCTGTTGATGCT
GATTGTCTCAACCGTGGTTGTCGTGTTTTGGGAATATGTCAACAGGACCCACAGTTATCAAGAAGACAAC
GTAGAAGGACGGAGAGAAAAGGGTAGAAATGGAGATCGCATTGAAGAGCCTCAGCTATGGGACTGGTTCA
ATCCAAAGAACC GCCCGGATGTTTTGACAGTGACCCCGTGAAGGCGCCGATTGTGTGGGAGGCACTTA
TGACACAGCTCTGCTGGAAAAGTACTACGCCACACAGAACTCACTGTGGGGCTGACAGTGTGCTGTG
GGAAAGTACATTGAGCATTACTTAGAAGACTTTCTGGAGTCTGCTGACATGTACTTCATGGTTGGCCATC
GGGTCATATTTTACGTCAATGATAGACGACACCTCCCGGATGCCTGTCGTGCACCTGAACCCTCTACATTC
CTTACAAGTCTTTGAGATCAGGTCTGAGAAGAGGTGGCAGGATATCAGCATGATGCGCATGAAGACCATT
GGGGAGCACATCCTGGCCACATCCAGCACGAGGTGACTTCTCTTCTGCATGGACGTGGATCAAGTCT
TTCAAGACAACCTCGGGGTGAAAACCTCTGGCCAGCTGGTAGCACAGCTCCAGGCCTGGTGGTACAAGGC
CAGTCCCAGAGAAGTTCACCTATGAGAGGGGGAACCTGTCGGCCGCGTACATTCCATTTCGAGAGGGGGAT
TTTTACTACCACGCGCCATTTTTGGAGGAACGCCTACTCACATTCTCAACCTCACAGGGAGTGCTTTA
AGGGGATCCTCCAGGACAAGAAACATGACATAGAAGCCAGTGGCATGATGAGAGCCACCTCAACAAATA
CTTCTTTTCAACAAACCACTAAAATCCTATCTCCAGAGTATTGCTGGGACTATCAGATAGGCCTGCCT
TCAGATATTAAGGTGTCAAGGTAGCTTGGCAGACAAAAGAGTATAATTTGGTTAGAAAATAATGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	BC006810



[View online »](#)

Insert Size:	1119 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:	<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>BC006810</u> , <u>AAH06810</u>
RefSeq Size:	3315 bp
RefSeq ORF:	1118 bp
Locus ID:	14594
Cytogenetics:	2 23.6 cM
Gene Summary:	This gene encodes a member of the galactosyltransferase family of intracellular, membrane-bound enzymes that are involved in the biosynthesis of glycoproteins and glycolipids. The encoded protein catalyzes the transfer of galactose from UDP-galactose to N-acetyllactosamine in an alpha(1,3) linkage to form galactose alpha(1,3)-galactose. Mice lacking the encoded protein develop cortical cataracts. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2015]