

Product datasheet for **MC215882**

St6gal2 (NM_172829) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6gal2 (NM_172829) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	St6gal2
Synonyms:	C230064G14Rik; mKIAA1877; St6galII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215882 representing NM_172829
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAACCACTTGAAGCAATGGCGACAACGAATGCTCTTTGGAATATTTGTTGGGGCTCTCTTTT
TGGCAATTTTCATCTACTTCACCAACAGCAATCCTGCGGCACCTATGCCAGCTCCTTTTCTTCTGGA
GAGACGTGGGCTCCTGCCTCTACAGGGCAAGCAGCGGGTATCATGCGCGCTTTGAGGAACCTCTTTG
CCCAGAAGTTGGATGCAAGCAAAGTGCTGCTGGACAGCCACCCTGAGAACCCTTTCCACCCTTGGCCTG
GGGACCCACAGAAATGGGATCAGGCCCAATGGCTTTGACAATGGGGATGAGTTTTTACATCCCAGGT
TGGGAGGAAATCACAAGCGCTTCTATCCCGAGGAAGATAGCTATTTTTTTGTTGCGGATCAGCCTGAG
TTGTACCACCACAGGCAGGGTGCCTGGAGCTGCCATCTCCAGGGGAGACATCATGGCGATCAGGACCTG
TTCAGCCCAAGCAGAAGCTGCTCCACCAAGGCGAGGCAGCTTGCCTGAGGAAGCCTATGACAGCGACAT
GCTGTCAGCCTCCATGTCGAGAGCCTTCTGTACCGGCTCTGGAAGGGGGCCGTGCTCTAAGATGTTG
AACCCGCGCTGCAGAAGGCCATGCGTTACTACATGTCCTTCAACAAGCATGGTGTGCGCTTCCGAGGC
GGGGTCGGCGTGAAGCTACACGTACAGGGCCGGAGCTGCTGTGTGAGATGCGCAGACGTGTGCGTGTGCG
CACGTTGGACGGCAGAGAGGGCGCCCTTCTCGGGCTGGGCTGGCGGCCTCTGGTACCAGGTGTACCTCTG
AGCCAGTTGCACCCGCGCGGTCTGAGCAGCTGCGCAGTTGTATGTCGCGGTGCCATCCTGAACCTCT
CCTTGGGGGAGGAAATCGATTCTCATGATGCAGTTTTGAGATTTAACTCTGCCCTACACGTGGCTATGA
GAAAGATGTCGGAATAAAACCACAGTACGCATCATAATTCTCAGATTCTGGCCAACCCAGCCATCAC
TTCATTGACAGTGCTTTATATAAAGATGTTATCCTGGTAGCCTGGGATCCTGCTCCTTATCTGCCAATC
TTAACCTGTGGTATAAGAAGCCAGATTACAACCTTTTCACTCCATATATCCAGCATCGCCGAAAATACCC
GACTCAGCCATTTTACATTCTTACCCCAAGTTCATATGGCAGCTTTGGGACATTATCCAGGAGAATACA
AGGGAGAAGATACAGCCCAACCCACCATCTTCTGGTTTTATTGGTACGTGTGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1915_e02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_172829

Insert Size: 1317 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	BC125586 , AAI25587
RefSeq Size:	2278 bp
RefSeq ORF:	1317 bp
Locus ID:	240119
UniProt ID:	Q76K27
Cytogenetics:	17 C
Gene Summary:	Transfers sialic acid from the donor of substrate CMP-sialic acid to galactose containing acceptor substrates. Has alpha-2,6-sialyltransferase activity toward oligosaccharides that have the Gal-beta-1,4-GlcNAc sequence at the non-reducing end of their carbohydrate groups, but it has weak or no activities toward glycoproteins and glycolipids.[UniProtKB/Swiss-Prot Function]