

Product datasheet for **RN216848**

St6gal2 (NM_001100888) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St6gal2 (NM_001100888) Rat Untagged Clone
Tag:	Tag Free
Symbol:	St6gal2
Synonyms:	ST6Gal-II; ST6GalIII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216848 representing NM_001100888
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACCACTTGAAGCAATGGCGACAACGAATGCTCTTTGCAATATTTGTTGGGGCTCCTCTTTT
 TGGCAATTTTCATCTATTTACCAACAGCAATCCTGCTGCACCTATGCCAGCTCCTTTTCTTCTGGA
 GAGCCGCGGGCTCCTGCCTGTGCAGGGCAAGCAGAGGGTCATCATGGGTGCATTGCAAGGCCCTCTTTG
 CCCAGAAGTTTGGAGCCAAGCAAAGTACTGATGGACGGCCACTCTGCGAGCCCTTCAACAGCTGGCCTG
 GGGACCCACAGAAAGGGGACCAGGCCAAAGATGGCTTTGACAATGGGGATGAGTTTTTACATCCCAGGT
 CGGGAGGAAATCACAAAGTGCTTTCTATCTGAGGAAGACAACACTTTTTTTGTTGCGGGTCAGCCTGGG
 TTGTACCACCACCGCAGGGTCCCTGGGGCTGCCATCTCGGGGAGTCCCTCATGGCAATCAGGACCTG
 GTCAGCCCAAGCAGGAGAAGCTGCGTACCCAAGGAGAGGCAGTTTGCCTGAGGAAGCCTATGATAGTGA
 CATGCTGTCGACCTCCATGTCCAGAGCCTTCTGTACCGCTCTGGAAGGGAACCGTGCCTCTAAGATG
 TTGAACCCGCGCCTGCAGAAAGCCATGCCTACTACATGTCCTTAAACAAGCACGGTGTGCGCTTACGA
 GGCGGGGGCGCGGTGAGGCACGACGTACAGGGCCAGAGCTGCTGTGCGAGATGCGCAAGCGTGTGCGGTG
 GCGCACCTTGGACGGCAAGAGGCGCCCTTCTCAGGGCTGGGCTGGCGGCTCTGGTACCTGGGGTCCCT
 CTGAGCCAGTTGCACCCCGCGTTTGCAGCTGCGCAGTTGTAATGTCTGCCGAGCCATCCTGAACT
 CCTCTTGGGGGAGGAAATCGATTCTCATGATGCAGTTTTGAGATTTAACTCTGCCCTACACGTGGCTA
 TGAGAAAGATGTCGAAATAAAACCACAGTACGCATCATTAATTCAGATTCTGGCCAACCCAGCCAT
 CACTTCATTGACAGTTCTTTATATAAAGATGTTATTCTGGTAGCCTGGGATCCAGCTCCTATTCTGCCA
 ATCTTAACTGTGGTATAAGAAGCCAGATTACAACCTTTTCACTCCATATATCCAGCATCGCCTGAAATA
 CCCAACTCAGCCATTTTACATTCTTACCCCAAATTCATATGGCAGCTTTGGGACATTATCCAGGAAAAC
 ACAAGGGAGAAGATACAGCCCAACCCACCATCTTCTGGTTTTATTGGAATCCTCGTCATGATGTCATGT
 GCCAAGAGGTGCACGTGTATGAGTACATCCCATCTGTCAGACAGACAGAATTTGCCACTACCATGAGCT
 GTACTACGACGCAGCCTGCACCTTGGGAGCCTACCACCCATTGCTTTATGAAAAGCTACTGGTGCAGCGC
 CTTAACACAGGCCCCAGGCAGATTTGCACCACAAGGAAAGGTGGTCTGCCAGGCTTCCAGACTCTGC
 GGTGCCAGTAACCAGGCCCAACAATAACAACACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001100888

Insert Size: 1578 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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>NM_001100888.1</u> , <u>NP_001094358.1</u>
RefSeq Size:	1800 bp
RefSeq ORF:	1578 bp
Locus ID:	301155
UniProt ID:	<u>Q701R3</u>
Cytogenetics:	9q11
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]