

Product datasheet for **MC204731**

St3gal6 (NM_018784) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: St3gal6 (NM_018784) Mouse Untagged Clone
Tag: Tag Free
Symbol: St3gal6
Synonyms: 1700023B24Rik; AI930218; AW552396; Siat10; St3galVI
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC052338
AAGAGGTAATCCGCAACAACAAAGCCCCTCATCTTGGATTATTTCCAGCATCAAGACCTCCACATGTCAA
CAGCAGGCTCCTGAGGCAGTCCATCCTCCTCCAACCTCCTCACTACATTCTTCAGAAAGAGAGGGTCTT
CAGGAAACACACCCCAAAGCGCAGATTTATTTACTAATTCATGATTTGAACCATCGTGGAAAGACCTCT
GCATGTTTCATCTCCCCTCACTTTGGACCCTGTTTCAGGCAGGCCAGCCATGAAAGGGTATCTGGTGGCCA
TATTCCTGAGTTCATCTTCTCTATTATGTAATACTGTAATACTGTTGGGAACAAATGGCTATTGGTT
CCCAGCTGAAGAAATGAGGACTAGAAACAATGTCAATAATTGTTTTAAAAAGCCAGCTTTTCGCCAATCTT
CTGAGATTTCTCAGCTTTACCCATTTCTGTGCAGAGCTGACTTTATAAAGGTTGCTGCCATGTCCGGTA
CCAATAATTTCCGTTGCCCTATGGAATAAAGACCTTCGAGACATATTTAGCTCGGCCCTTTCAAACCT
GCAGAGTTGTGATCTCTTTGACGAGTTTGACAGAGTGCCATGTAAGGTTGTGGTGGTTGGAATGGA
GGAGTGTGAAGAATAAGACATTAGGAGCAACAATTAACCTCTATGATGTAATAAAGAATGAACAACG
GTCCTGTCTTAGGCCATGAAGAGGAAGTTGGGACAAGAACAACCTTCAGGCTTTTTATCCAGAGTCTGT
CTTTTCAGACTCCAGTCACTATGACCCCAATACTACAGCGGTTCTCGTCGCTTTAAGCCACAGGATTTA
AGGTGGCTGGTGGAAATACTGCTAGGTAATAAATAAATACTCAAGGTTTTGGAAGACACCAGCCTTAA
AACTGATCTATAAACAATACCAATCAGAATATTAGATCCATATATCACCAGCGAAGCAGCTTTTCAAAT
GCTTCGTTTTCCAGAGTATTTCCCAAGGATCAGAAACCCAAACCCCTACAACAGGAATTATTGCCATC
ACAATGGCCTTTACATATGCAGTGAAGTGCACCTCGTGGTTTTAAGTACAACCTTTACAGCCCAACA
GTCTTTACACTACTACGGGAATGCCACCATGTCTTTGATGAAGCAGAATGCATATCACAATCTGACTGC
AGAGCAGCTCTTTTTAACGACATTATAAAGAAAAAATGGTGATCAACTTGACTTAAAAATTGACCCTAT
GGATCCAAAAGATGATGATGCTAAACAGTATTAGTTTTATTTTTGTACTGCAATTTTAGTTATTTTTA
AATATATTGGATGAACCTATCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_018784
Insert Size: 990 bp



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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:	BC052338 , AAH52338
RefSeq Size:	1369 bp
RefSeq ORF:	990 bp
Locus ID:	54613
UniProt ID:	Q8VIB3
Cytogenetics:	16 C1.2
Gene Summary:	Involved in the synthesis of sialyl-paragloboside, a precursor of sialyl-Lewis X determinant. Has a alpha-2,3-sialyltransferase activity toward Gal-beta1,4-GlcNAc structure on glycoproteins and glycolipids. Has a restricted substrate specificity, it utilizes Gal-beta1,4-GlcNAc on glycoproteins, and neolactotetraosylceramide and neolactoheptaosylceramide, but not lactotetraosylceramide, lactosylceramide or asialo-GM1 (By similarity).[UniProtKB/Swiss-Prot Function]