

Product datasheet for **SC104409**

ST6GALNAC3 (AK091215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST6GALNAC3 (AK091215) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC3
Synonyms:	PRO7177; SIAT7C; ST6GALNACIII; STY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104409 sequence for AK091215 edited (data generated by NextGen Sequencing)

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ATGGCCTGCATCCTGAAGAGAAAGTCTGTGATTGCTGTGAGCTTCATAGCAGCGTTCCTT
TTCCTGCTGGTTGTGCGTCTTGTAAATGAAGTGAATTTCCATTGCTACTAAACTGCTTT
GGACAACCTGGTACAAAGTGGATACCATTCTCCTACACATACAGGCGGCCCTTCGAACT
CACTATGGATACATAAATGTGAAGACACAAGAGCCTTTGCAACTGGACTGTGACCTTTGT
GCCATAGTGTCAAACCTCAGGTCAGATGGTTGGCCAGAAGGTGGGAAATGAGATAGATCGA
TCCTCCTGCATTTGGAGAATGAACAATGCCCCACCAAAGGTTATGAAGAAGATGTGGC
CGCATGACCATGATTCGAGTTGTGTCCCATACCAGCGTTCCTCTTTTGTAAAAACCCT
GATTATTTTTTCAAGGAAGCGAATACTACTATTTATGTTATTTGGGGACCTTTCCGCAAT
ATGAGGAAAGATGGCAATGGCATCNTTTACAACATGTTGAAAAAGACAGTTGGTATCTAT
CCGAATGCCCAAATATACGTGACCACAGAGAAGCGCATGAGTTACTGTGATGGAGTTTTT
AAGAAGGAAACTGGGAAGGACAGAGTCCAGTCTGGCTCATATCTCAGCACAGGTTGGTTT
ACCTTCCTTCTGGCCATGGACGCTGTTATGGCATTACAGTCTACGGGATGATAAATGAC
ACCTACTGCAAGACAGAAGGGTATAGAAAAGTCCCCTACCATTATTATGAACAAGGAAGA
GATGAGTGTGATGAATATTTTCTTCATGAACATGCCCATATGGGGTTCATAGGTTTATC
ACTGAAAAGAAAGTGTGCTAAATGGGCAAGAAGCACAGGATAATATTTACACATCCA
AACTGGACATTGTCTTGA

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Clone variation with respect to AK091215.1
505 a=>n



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5' Read Nucleotide Sequence:

>OriGene 5' read for AK091215 unedited
 CCTCATTACCCCCGCCGTTGNCGCATTGGGCGGTAGGCGGTACGGTGGGAGGTCTATA
 TAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGG
 CCGGAATTGGCACGAGGCTGGAGAGGTCTGCCGTGGTACCAGCCTCCAGCCTGCCCC
 AGGACTGCCCCGACCCAGGCGCGCCCGCTGCTCGGTGGCAGGAGGGCCGGCGGAGCGCC
 ATGGCCTGCATCCTGAAGAGAAAAGTCTGTGATTGCTGTGAGCTTCATAGCAGCGTTCCT
 TTCCCTGGTTGTGCGTCTTGTAAATGAAGTGAATTTCCATTGCTACTAACTGCTTT
 GGACAACCTGGTACAAAGTGGATACCATTCTCCTACACATACAGGCGGCCCTTCGAACT
 CACTATGGATACATAAATGTGAAGACACAAGAGCCTTTGCAACTGGACTGTGACCTTTGT
 GCCATAGTGTCAAACCTCAGGTCAGATGGTTGGCCAGAAGGTGGGAAATGAGATAGATCGA
 TCCTCCTGCATTTGGAGAATGAACAATGCCCCACCAAAGTTATGAAGAAGATGTCGGC
 CGCATGACCATGATTGAGTTGTGTCCCATACCAGCGTTCCTCTTTTGCTAAAAAACCT
 GATTATTTTTTCAAGGAAGCGAATACTACTATTTATGTTATTTGGGGACCTTTCCGCATA
 TGANGAAAGATGGCAATGCATTGTTACAACATGGTTGAAAAGACAGTTGGTATCTATC
 CCGATGCCCAATATACGTGACCACAGAGAGCGCATGAGTTACTGTGATGGAGGTTTTAG
 AAGAAAACCTGGAGGACAGATCCAGTCTGGCTATATCTCAGCACAGGTGGTTACCTTCT
 TCTGCCATGGACGCTGTATGCATCACGTC

3' Read Nucleotide Sequence:

>OriGene 3' read for AK091215 unedited
 NNNGGGGTTCCACTATGNNACCGCGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTTT
 TTTTTTTTTTGGATTAATCAAGGAATTTCTTTTTATTTTAAAGTAAAACAACAGGGGGGA
 AAAACAGTCTGTATGGCAATTTAACATTTGTCTCTGTTATTTTTCTTTGAGTGGGCAT
 TTCTATCTATCATTAGCTCAAAAAAATTAACATTCATAGAATTAATAATGCATAAGGG
 AACAAACAAAAGAATAACAACTCCTTCCAACGATAGAAGTGGGGCTTAATAATGTTATGG
 GTGTGAATATTGAGGTGTCAAAATTGCAGAAAAGAGTAGGCAAAAAGGCCTTTATCCAAA
 TGGCACACTTTAATGATAGCTCACCATAATACTTAGCACTAGTAAAGACCCACAAGTGT
 TCTGAAGTGAATGTATCATTACTTCCAGTTTCCCAAACATTCTATAAGTTGAGCCTGGC
 TTTTGTCTTTTGAATCATTCTGCCAGGATGTTTTTTTGAATTTCTCAACTACCCCTTTGC
 GCAACAAAACCTTTTCTATTTAATGAGGCACCAGTATTTTAAAAATACCATTGTCTCC
 ACCCTATCAAAGGACAATATTTTTCTCTGCCCTTATATCCCCCTGGGGCCCCGGTTTT
 AGATCCTTTTCCCCCAAAATTAACCCCCCTTGTACTTTCCCTTTTCGAAAAACCT
 TCTCAAAATTTCTTTTCTCAAGGGCCCTATCCCCCTCAGCCCCAACCAATCCTTG
 GGGATCCCTTTCTCCGGTATCCAGCTCAATGACATTTTCGCACAACCACTACCCGGTTAAC
 AATTTACATAAACTTCCCCCTCCCCACCCCTACC

Restriction Sites:

NotI-NotI

ACCN:

AK091215

Insert Size:

3500 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>AK091215.1</u> , <u>BAC03611.1</u>
RefSeq Size:	3207 bp
RefSeq ORF:	3207 bp
Locus ID:	256435
Cytogenetics:	1p31.1
Domains:	Glyco_transf_29
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
Gene Summary:	ST6GALNAC3 belongs to a family of sialyltransferases that transfer sialic acids from CMP-sialic acid to terminal positions of carbohydrate groups in glycoproteins and glycolipids (Lee et al., 1999 [PubMed 10207017]).[supplied by OMIM, Mar 2008]