

## Product datasheet for **SC326777**

### ST6GALNAC3 (NM\_001160011) Human Untagged Clone

#### Product data:

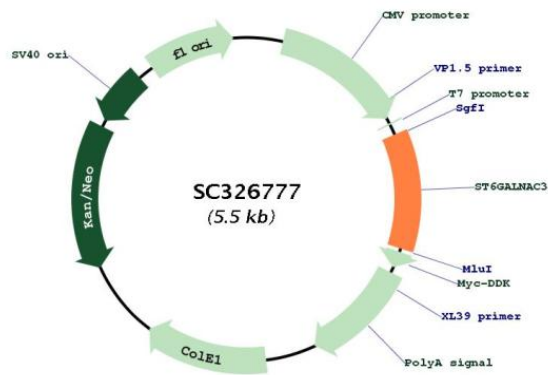
Product Type:	Expression Plasmids
Product Name:	ST6GALNAC3 (NM_001160011) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST6GALNAC3
Synonyms:	PRO7177; SIAT7C; ST6GALNACIII; STY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326777 representing NM_001160011. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTGCATCCTGAAGAGAAAGTCTGTGATTGCTGTGAGCTTCATAGCAGCGTTCCTTTTCTGCTG
GTTGTGCGTCTTGAAATGAAGTGAATTTCCATTGCTACTAACTGCTTTGGACAACCTGGTACAAAG
TGGATACCATTCTCTACACATACAGGGCGCCCTTCGAACTCACTATGGATACATAAATGTGAAGACA
CAAGAGCCTTTGCAACTGGACTGTGACCTTTGTCCATAGTGCAAACCTCAGGTCAGATGGTTGGCCAG
AAGGTGGGAAATGAGATAGATCGATCCTCCTGCATTTGGAGAATGAACAATGCCCCACCAAGGTTAT
GAAGAAGATGTCGGCCGATGACCATGATTCGAGTTGTGTCCCATACCAGCGTTCCTCTTTGCTAAAA
AACCTGATTATTTTTCAAGGAAGCGAATACTACTATTTATGTTATTTGGGGACCTTTCCGCAATATG
AGGAAAGATGGCAATGGCATCGTTTACAACATGTTGAAAAAGACAGTTGGTATCTATCCGAATGCCCAA
ATATACGTGACCACAGAGAAGCGCATGAGTTACTGTGATGGAGTTTTAAGAAGGAAACTGGGAAGGAC
AGTACAGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001160011

**Insert Size:** 633 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:**

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:** [NM\\_001160011.1](#)

RefSeq Size:	1171 bp
RefSeq ORF:	633 bp
Locus ID:	256435
UniProt ID:	<a href="#">Q8NDV1</a>
Cytogenetics:	1p31.1
Protein Families:	Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - ganglio series, Metabolic pathways
MW:	24 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>