

## Product datasheet for **SC335385**

### GBGT1 (NM\_001282632) Human Untagged Clone

#### Product data:

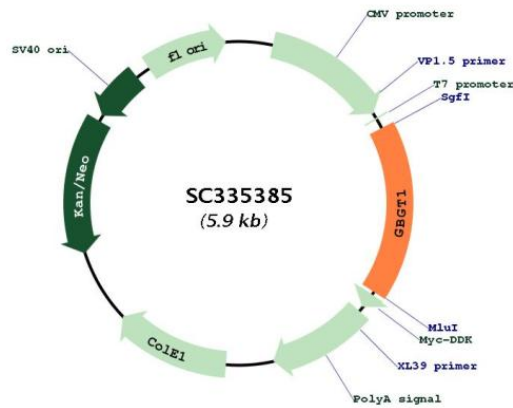
Product Type:	Expression Plasmids
Product Name:	GBGT1 (NM_001282632) Human Untagged Clone
Tag:	Tag Free
Symbol:	GBGT1
Synonyms:	A3GALNT; FS; UNQ2513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335385 representing NM_001282632. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCATCGCCGGAGACTGGCCCTGGGTCTGGGTTCTGCCTGTTGGCGGGCACAAGCCTCAGTGTCTCTG
TGGGTGTATCTTGAGAACTGGCTGCCAGTCTCCTATGTCCCTATTATCTCCCCTGCCAGAGATCTTG
TCACAGTACCCTCAGCCCAAGCTGCTGGAGCACAGGCCACACAGCTGCTGACACTCACACCCTGGTTG
GCGCCCATCGTCTCCGAGGGAACCTTCAACCCAGAGCTTCTGCAGCACATCTACCAGCCACTGAACCTG
ACCATTGGGGTCACGGTGTGGCGTGGGGAAGTACACTCATTTCCAGTCCCTCCTGGAGTCAGCC
GAGGAGTTCCTTATGCGTGGGTACCGGGTGCCTACTACATCTTCACTGACAACCCTGCAGCCGTTCCC
GGGGTCCCCTGGGTCCCACCGGCTTCTCAGTCCATCCCATCCAGGGTCACTCCCCTGGGAGGAG
ACATCCATGCGCCGGATGGAGACCATCAGCCAGCACATTGCTAAGAGGGCTCACCGGGAGGTGGACTAC
CTCTTCTGCCTTGATGTGGACATGGTGTTCGGAACCCGTGGGGCCCTGAGACCTTGGGAGACCTGGTG
GCTGCCATTACCCAAGCTACTACGCCGTTCCCAGCAGTTCCTTATGAGCGCAGGCGTGTTC
ACTGCCTTTGTGGCAGACAGCGAAGGGGACTTCTATTATGGTGGGGCAGTCTTGGGGGGCAGGTGGCC
AGGGTATATGAGTTTACTAGGGGCTGCCACATGGCCATCCTGGCGGACAAGGCCAATGGCATCATGGCT
GCCTGGCGGGAGGAAAGCCACCTGAACCGTCACCTCATCTCAAACAAGCCGTCCAAGGTGCTGTCCCCC
GAGTACCTTGGGACGACAGGAAGCCCAAGCCAGCCAGCCAGCTGAAGCTGATCCGCTTTTCTACACTGGAC
AAGGATATCAGCTGCCTGAGGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

**Plasmid Map:**


**ACCN:** NM\_001282632

**Insert Size:** 993 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:**

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\\_001282632.1](#)

**RefSeq Size:** 1934 bp

**RefSeq ORF:** 993 bp

**Locus ID:** 26301

**UniProt ID:** [Q8N5D6](#)

**Cytogenetics:** 9q34.2

<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Glycosphingolipid biosynthesis - globo series, Metabolic pathways
<b>MW:</b>	37.9 kDa
<b>Gene Summary:</b>	<p>This gene encodes a glycosyltransferase that plays a role in the synthesis of Forssman glycolipid (FG), a member of the globoseries glycolipid family. Glycolipids such as FG form attachment sites for the binding of pathogens to cells; expression of this protein may determine host tropism to microorganisms. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the 5' coding region compared to variant 1. The encoded isoform (3) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>