

## Product datasheet for **SC306065**

### **B3GNT6 (NM\_138706) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	B3GNT6 (NM_138706) Human Untagged Clone
Tag:	Tag Free
Symbol:	B3GNT6
Synonyms:	3-Gn-T6; B3Gn-T6; beta-1; beta3Gn-T6; BGnT-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306065 representing NM_138706. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTTTCCCTGCCGAGGTCCCTGACTGCCAAGACTCTGGCCTGCCTCCTGGTGGGCGTGAGTTTC
TTAGCACTGCAGCAGTGGTTCTCCAGGCGCAAGGTCCCGCGGGAGGAGAGGTCCCGCAGGAGGAG
ACGCCAGAGGGTCCACCGACGCTCCCGCGGTGACGAGCCGCCCTCGGAGCTCGTCCCGGGCCCCCG
TGCGTGGCGAACGCTCGGCGAACGCCACGGCCGACTTCGAGCAGCTGCCCGCGGCATCCAGGACTTC
CTGCGGTACCGCCACTGCCGCCACTTCCCGCTGCTTTGGGACGCACCGGCCAAGTGCGCCGGCGCCGA
GGCGTGTCTCTGCTCCTGGCGTGAAGTCGGCGCCTGAGCACTACGAGCGACGCGAGCTCATCCGGCGC
ACGTGGGGCAAGAGCGCAGCTACGGCGGGCGGCCAGTGCGCCGCTCTTTCTATTGGGCACCCCGGGC
CCCGAGGACGAGGCGCGCGGGAGCGGCTGGCGGAGCTGGTGGCGCTGGAGGCGCGGAGCACGGCGAC
GTGCTGCAGTGGGCTTCGCGGACACCTTCTCAACCTCACGCTCAAGCACCTGCACTTGTCTGACTGG
CTGGTGCACGCTGCCCGCACGCGCGCTTCTGCTCAGCGGCGACGACGAGTGTTCGTGCACACCGCC
AACGTAGTCCGCTTCTGCAGGCGCAGCCACCCGGCCGCCACCTGTTCTCCGGCCAGCTCATGGAGGGC
TCCGTGCCCATCCGCGACAGCTGGAGCAAGTACTTCGTGCCGCCGACGCTTCCCGGGTCCGCTTAC
CCGGTGTACTGCAGCGGGCGGGCTTCTCCTGTCGGCCCCACGGCCCCGGCCCTGCCGCGGGCCGCC
CGCCACACCCGCTTTCCTCATCGACGACGCTACATGGGCATGTGTCTGGAGCGCGCCGCGCTGGCG
CCAGCGCCACGAGGGCATCCGACCCTTCGGCGTGCAGCTGCCTGGCGCACAGCAGTCCCTTCGAC
CCCTGCATGTACCGGAGTTGCTGCTAGTGCACCGCTTCGCGCCCTACGAGATGTGCTCATGTGAAG
GCGCTGCACAGCCCCGCGCTCAGCTGTGACCGGGACACCGGGTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

<b>ACCN:</b>	NM_138706
<b>Insert Size:</b>	1155 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_138706.4</a></u>
<b>RefSeq Size:</b>	2560 bp
<b>RefSeq ORF:</b>	1155 bp
<b>Locus ID:</b>	192134
<b>UniProt ID:</b>	<u><a href="#">Q6ZMB0</a></u>
<b>Cytogenetics:</b>	11q13.5
<b>Protein Pathways:</b>	Metabolic pathways, O-Glycan biosynthesis
<b>MW:</b>	42.7 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a beta-1,3-N-acetylglucosaminyltransferase that adds an N-acetylglucosamine moiety to N-acetylgalactosamine-modified serine or threonine. The encoded enzyme is responsible for creating the core 3 structure of O-glycans, which are important components of mucin-type glycoproteins. [provided by RefSeq, Dec 2016]