

Product datasheet for **SC125827**

B3GNT4 (NM_030765) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3GNT4 (NM_030765) Human Untagged Clone
Tag: Tag Free
Symbol: B3GNT4
Synonyms: B3GN-T4; beta3Gn-T4
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_030765 edited
 CGAGCCCCGAGAGCTCCGCGCACCTGGGCGCCATCCGCCCTGGCTCCGCTGCACGAGCTC
 CACGCCCGTACCCCGGCGTCACGCTCAGCCCGCGGTGCTCGCACACCTGAGACTCATCTC
 GCTTCGACCCCGCCGCCGCCGCCCGCATCCTGAGCACGGAGACAGTCTCCAGCTGC
 GGTTTCATGCTTCTCCAGGCTTCCGACGCCACCAGGGAAGGGCGGTAGGAGTGCC
 TTTTACCAAAGGGACCGCGATGCTCTGCAGGCTGTGCTGGTGGTCTCGTACAGCTTGG
 CTGTGCTGTTGCTCGGCTGCCTGCTTCTCTGAGGAAGGCGGCCAAGCCCGCAGGAGACC
 CCACGGCCACCAGCCTTCTGGGCTCCCCAACACCCCGTCACAGCCGGTGTCCACCCA
 ACCACACAGTGTCTAGCGCTCTGTCCCTGCCTAGCCGTACCGTCTCTTCTTGACCT
 ATCGTCACTGCCAAATTTCTCTATCTTGTGGAGCCTTACGGCTGTTCCAAGGATACCT
 TCTTGCTCCTGGCCATCAAGTCACAGCCTGGTCACGTGGAGCGACGTGCGGCTATCCGCA
 GCAGTGGGGCAGGGTGGGGGATGGGCTAGGGGCCGGCAGCTGAAGCTGGTGTCTCC
 TAGGGGTGGCAGGATCCGCTCCCCAGCCAGCTGCTGGCCTATGAGAGTAGGGAGTTTG
 ATGACATCCTCCAGTGGGACTTCACTGAGGACTTCTTCAACCTGACGCTCAAGGAGCTGC
 ACCTGCAGCGTGGTGGTGGCTGCCTGCCCCAGGCCATTTTCATGCTAAAGGGAGATG
 ACGATGTCTTTGTCCACGTCCCCAACGTGTTAGAGTTCCTGGATGGTGGGACCCAGCCC
 AGGACCTCCTGGTGGGAGATGTCATCCGCCAAGCCCTGCCAACAGGAACACTAAGGTCA
 AATACTTCATCCACCCCTCAATGTACAGGGCCACCCACTACCCACCTATGCTGGTGGGG
 GAGGATATGTCATGTCCAGAGCCACAGTGCAGGCGCCTCCAGGCTATCATGGAAGATGCTG
 AACTCTTCCCCATTGATGATGTCTTTGTGGGTATGTGCCTGAGGAGGCTGGGGCTGAGCC
 CTATGCACCATGCTGGTTCAAGACATTTGGAATCCGGCGGCCCTGGACCCCTTAGACC
 CCTGCCTGTATAGGGGGCTCCTGCTGGTTCACCGCCTCAGCCCCCTCGAGATGTGGACCA
 TGTGGGCACTGGTACAGATGAGGGGCTCAAGTGTGCAGCTGGCCCCATACCCAGCGCT
 GAAGGGTGGTTGGGCAACAGCCTGAGAGTGGACTCAGTGTGATTCTCTATCGTATGTC
 GAAATTGATGCCTGCTGCTCTACAGAAAATGCCAACTTGGTTTTTTAACTCCTCTCACCC
 TGTTAGCTCTGATTA AAAA AACTGCAACCCAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_030765 unedited GCCTGATTTTGTATACGACTCACTATAGGCGGCCGCGTAATTCCATCTGGTACCGGTCCG GAATTCGCCGGATCGAGCCCCGANAGCTCCGCGCACCTGGGCGCCATCCGCCCTGGCTCC GCTGCACGAGCTCCACGCCCGTACCCCGGCGTCACGCTCAGCCCGCGGTGCTCGCACACC TGAGACTCATCTCGTTTCGACCCCGCCGCCGCCGCCCGCCGCGCATCCTGAGCACGGAGAC AGTCTCCAGCTGCGGTTTCATGCTTCTCCAGGCTTCCGACGCCACCAGGGAAGGGGC GGTAGGAGTGGCCTTTTACCAAAGGGACCGGCGATGCTCTGCAGGCTGTGCTGGCTGGTC TCGTACAGCTTGGCTGTGCTGTTGCTCGGCTGCCTGCTCTTCTGAGGAAGGCGGCAAG CCCGCAGGAGACCCACGGCCACCAGCCTTTCTGGGCTCCCCAACACCCCGTCACAGC CGGTGTCCACCCAACCACACAGTGTCTAGCGCCTCTGTCCCTGCCTAGCCGTCACCGT CTCTTCTTGACCTATCGTCACTGCCGAAATTTCTCTATCTTGTGGAGCCTTCAGGCTGT TCCAAGGATACCTTCTTGTCTCTGGCCATCAAGTACAGCCTGGTACGTGGAGCGACGT GCGGCTATCCGCAGCACGTGGGGCAGGGTGGGGGATGGGCTAGGGGCCCGCAGCTGAAG CTGGTGTCTCTAGGGGTGGCAGGATCCGCTCCCGAGCCAGCTGCTGGCCTATGAGA GTANGGAGTTTGATGACATCCTCCAGTGGGACTTCACTNGAGACTTNCTCAACCTGACGC TCAANGAGCTGCACCTGCAACGCTGGGTGGGTGGCTGCCTGCCCCAGCCCATTTTCAT GCTAAAGAAGATGACCATGTTCTTTGTTACAGTNNCCCNACGTGTTAAA
Restriction Sites:	Please inquire
ACCN:	NM_030765
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:	NM_030765.2 , NP_110392.1
RefSeq Size:	1554 bp
RefSeq ORF:	1137 bp
Locus ID:	79369
UniProt ID:	Q9C0J1
Cytogenetics:	12q24.31
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

Gene Summary:

This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase protein family. The encoded enzyme is involved in the biosynthesis of poly-N-acetyllactosamine chains and prefers lacto-N-neotetraose as a substrate. It is a type II transmembrane protein. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).