

Product datasheet for **SC322125**

B3GALNT2 (NM_152490) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3GALNT2 (NM_152490) Human Untagged Clone
Tag:	Tag Free
Symbol:	B3GALNT2
Synonyms:	B3GalNAc-T2; MDDGA11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322125
 AGGCGGAGGGGGCGGGCTTCGGCCGGCTAAGCCGCGGCCACCCGCGGTCTGAGGGACCG
 GAGGAGCGGGGCCGGGAGCTGCGAGGAGCCCTCCAGACGTCGCCGAGCGCGAGGGCGGGC
 GTGCTCGGAGTGGTCTGCTCGTACGCCGCCGCCCTCAGTCTCCGCACTTGAGGTCCCCT
 CCCTCTCCGCCGGGACGCGGGAGAGCCCGGCTCGCGGCGGGGGCGGCCAATGCGAAACTG
 GCTGGTCTGCTGTGCCCGTGTGTGCTCGGGGCCGCGCTGCACCTCTGGCTGCGGTGCG
 CTCCCCGCCGCCCGCTGCGCCTCCGGGGCCGGCCCTGCAGATCAGTTGGCCTTATTTCC
 TCAGTGGAAATCTACTACTATGATGTGGTAGTTGGCGTGTTCAGCTCGCAATAACCA
 TGAACCTCGAAACGTGATAAGAAGCACCTGGATGAGACATTTGCTACAGCATCCACATT
 AAGTCAACGTGTCTTGTGAAGTTCATAATAGGTGCTCATGGCTGTGAAGTGCCTGTGGA
 AGACAGGGAAGATCCTTATTCTGTAACTACTCAACATCACAAATCCAGTTTTGAATCA
 GGAAATTAAGCGTTTCAGTCTGTCCGAAGACACTTCATCGGGGCTGCCTGAGGATCGAGT
 TGTGAGCGTGAGTTCCGAGTCTCTACCCCATCGTTATTACCAGTCTTGGAGTGTCTA
 CGATGCCAATGATGTGGGTTTCCAGAGGAACATCACTGTCAAACCTTATCAGGCAGAACA
 AGAGGAGGCCCTTTCATTGCTCGCTTTCAGTCCCAAGCTGTGGTGTGCAGGTGAACAA
 GCTGTGGTACAAGCCCGTGAACAATTCATCTTACCAGAGAGCTTTGAAGGTACAATCGT
 GTGGGAGAGCCAAGACCTCCACGGCCTTGTGTCAAGAAATCTCCACAAAGTGACAGTGAA
 TGATGGAGGGGGAGTTCTCAGAGTCATTACAGCTGGGGAGGGTGCATTGCCTCATGAATT
 CTTGGAAGGTGTGGAGGGAGTTGCAGGTGGTTTTATATACTATTTCAGGAAGGTGATGC
 TCTTTACACAACCTTCTTCTCGCCCTCAAAGACTTATTGATCATATAAGGAATCTCCA
 TGAGGAAGATGCCTTACTGAAGGAGGAAAGCAGCATCTATGATGATATTGTTTTGTGGA
 GTTTGTGACACTTATCGTAATGTTCTGCAAAATTTGAACTTCTATAGATGGACTGT
 GGAAACAACGAGCTTCAATTTGTTGCTGAAGACAGATGATGACTGTTACATAGACCTCGA
 AGCTGTATTTAATAGGATTGTCCAAAAGAATCTGGATGGGCCTAATTTTTGGTGGGGAAA
 TTTGAGACTGAATTGGGCAGTTGACCGAACCGAAAGTGGCAGGAGTTGGAGTACCCGAG
 CCCCCTTACCCTGCCTTTCATGTGGGTGAGGATATGTGATCTCCAAGGACATCGTCAA
 GTGGCTGGCAAGCAACTCGGGGAGGTTAAAGACCTATCAGGGTGAAGATGTAAGCATGGG
 CATCTGGATGGCTGCCATAGGACCTAAAAGATACCAGGACAGTCTGTGGCTGTGTGAGAA
 GACCTGTGAGACAGGAATGCTGTCTTCTCCTCAGTATTCTCCGTGGGAAGTACGGAAGT
 GTGGAACTGAAGGAACGGTGCCTGATCCTTGTGATGTCAAGCAAGATAACAGGGACT
 TGAAATAGCAGAGTCTAAAATCAGGGCAGGCAACGATAATCTGAGTGCAAGTCTGAGGA
 GTCCCAGGGTTTAGCAGTAGACTGTATGGTCTTTCAAGAGAGTTCCAGACTGGCACTTTC
 ACCCAGAACCAATGCGGTGTTTCTTAATGTTTGCACAAATTTCTTAAAAATCAACTTGT
 ACTGTAGCATAAGAAAAGTTTTTATTTATCTATTGGAAGATTATCAGAAAAATACCAAGT
 TATTTTATAAAAAGAAAAATATTTCTAAAAA

Restriction Sites: Please inquire

ACCN: NM_152490

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_152490.1](#), [NP_689703.1](#)

RefSeq Size: 2022 bp

RefSeq ORF: 1503 bp

Locus ID: 148789

UniProt ID: [Q8NCR0](#)

Cytogenetics: 1q42.3

Domains: Galactosyl_T

Gene Summary: This gene encodes a member of the glycosyltransferase 31 family. The encoded protein synthesizes GalNAc:beta-1,3GlcNAc, a novel carbohydrate structure, on N- and O-glycans. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Mar 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).