

Product datasheet for **SC335350**

B3GALNT2 (NM_001277155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	B3GALNT2
Synonyms:	B3GalNAc-T2; MDDGA11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335350 representing NM_001277155. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGAAACTGGCTGGTGTCTGTGCCCCGTGTGTCTCGGGGCCGCGCTGCACCTCTGGCTGCGGCTG
CGCTCCCCCGCCCGCCCTGCGCCTCCGGGGCCGGCCCTGCAGGTGGAGTCTCACTCTTGTGCCCAGG
CTGGAGTGCAATGGCGCGGTCTCGGCTCACCCCAACCTCCACCTCCCGGTTCAAGAGATTCTCCTGCC
TCAGCCTCCCAAGTAGCTGGGATAACAGATCAGTTGGCCTTATTCCTCAGTGGAAATCTACTCACTAT
GATGTGGTAGTTGGCGTGTTCAGCTCGCAATAACCATGAACCTCGAAACGTGATAAGAAGCACCTGG
ATGAGACATTTGCTACAGCATCCACATTAAGTCAACGTGTGCTTGTGAAGTTCATAATAGGTGCTCAT
GGCTGTGAAGTGCCTGTGGAAGACAGGGAGGATCCTTATTCCTGTAACTACTCAACATCACAAATCCA
GTTTTGAATCAGGAAATGAAGCGTTCAGTCTGTCCGAAGACACTTCATCGGGGCTGCCTGAGGATCGA
GTTGTCAGCGTGAGTTTCCGAGTTCTTACCCCATCGTTATTACAGTCTTGGAGTGTCTACGATGCC
AATGATGTGGGTTTCCAGAGGAACATCACTGTCAAACCTTATCAGGCAGAACAGAGGAGGCCCTCTTC
ATTGCTCGCTTCAGTCTCCAAGCTGTGGTGTGCAGGTGAACAAGCTGTGGTACAAGCCCGTGGAACAA
TTATCTTACCAGAGAGCTTTGAAGGTACAATCGTGTGGGAGAGCAAGACCTCCACGGCCTTGTGTCA
AGAAATCTCCACAAAGTGACAGTGAATGATGGAGGGGAGTTCTCAGAGTCATTACAGCTGGGGAGGT
GCATTGCCTCATGAATCTTGAAGGTGTGGAGGGAGTTGCAGGTGTTTTATATATACTATTACGGGT
AAGTTTGCTAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001277155



Insert Size:	981 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001277155.2</u>
RefSeq Size:	1946 bp
RefSeq ORF:	981 bp
Locus ID:	148789
UniProt ID:	<u>Q8NCR0</u>
Cytogenetics:	1q42.3
MW:	35.6 kDa
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 (2) includes an alternate in-frame exon in the 5' coding region, and its transcription extends past a splice site that is used in variant 1. This results in a novel 3' coding region and 3' UTR compared to variant 1. The encoded protein (isoform 2) is shorter and has a distinct C-terminus compared to isoform 1.