

Product datasheet for **SC216847**

B3GALNT1 (NM_003781) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	B3GALNT1 (NM_003781) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	B3GALNT1
Synonyms:	B3GALT3; beta3Gal-T3; galT3; Gb4Cer; GLCT3; GLOB; P; P1
ACCN:	NM_003781
Insert Size:	1906 bp



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Insert Sequence: >SC216847 3'UTR clone of NM_003781
The sequence shown below is from the reference sequence of NM_003781. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATGCTAAGGAACACCACATGCCATTATTAACCTTCACATTCTACAAAAAGCCTAGAAGGACAGGATACTT
TGTGAAAAGTGTTAAATAAAGTAGTACTGTGGAAAATTCATGGGGAGGTCAGTGTGCTGGCTTACACT
GAACTGAAACTCATGAAAAACCCAGACTGGAGACTGGAGGGTTACACTTGTGATTTATTAGTCAGGCC
TTCAAAGATGATATGTGGAGGAATTAATATAAAGGAATTGGAGGTTTTGCTAAAGAAATTAATAGGA
CCAAACAATTTGGACATGTCATTCTGTAGACTAGAATTTCTAAAAGGGTGTACTGAGTTATAAGCTC
ACTAGGCTGTAAAAACAAAACAATGTAGAGTTTTATTTATTGAACAATGTAGTCACTTGAAGTTTTGT
GTATATCTTATGTGGATTACCAATTTAAAAATATATGTAGTCTGTGTCAAAAAACTTCTCACTGAAG
TTATACTGAACAAAATTTTACCTGTTTTGGTCATTTATAAAGTACTTCAAGATGTTGCAGTATTTAC
AGTTATTATTATTTAAAATTTACTTCAACTTTGTGTTTTTAAATGTTTTGACGATTTCAATACAAGATAA
AAAGGATAGTGAATCATTCTTTACATGCAACATTTTCCAGTTACTTAACTGATCAGTTTATTATTGAT
ACATCACTCCATTAATGTAAAGTCATAGGTCATTATTGCATATCAGTAATCTCTTGGACTTTGTTAAAT
ATTTTACTGTGGTAATATAGAGAAGAAATTAAGCAAGAAAATCTGAAGTATTGTCTTGTTTTTAAAAA
TACAGTTCCTAGTGTTTTAGAAGTCACCTAATTTGTCTCATTTTTCCACCTGGAATTAGGAATAATG
TAGAATGCAAGGCAGTAATTTCCTTTTGGAAAGGACTCTGAAGGCAGAAAAGAAGGGAGAGAACCCTCAT
GGCAGAAATATTAAAAAGAGTGTATATCCAGCATTTGAATTGAAAAGAGAAGAGTGAAGATCCAA
GTTGCATTATTAATCTGCCCTGTGTTTTTCTTTTTAACAAATCAGTTTGAGCTGCTGTTATGAGTT
TCTCATCAAGATGAAAGCCCTAATATGTAAGTCAAATCCGATTTAAATTTTGTGCTTTTATAGAAAGA
AATTTCTCATAGACGTGGTGATATATCATTTGTTGGACCTGCTAATAGTAGGTCAAAGGGGAGCACTC
CTTGCCCCCTGTTCTGGGTTTATGCAAGTTTTCTTTTTAGAGTTTATATAGGGCAAGTGGTTCTTTTTT
TCTGAATTACAGGATGAAAAAGGTCATATCCTTTGTCAGGAAATATAAACTTGAAGTATGTAGTCAG
CTCTTGTAATACTCATATTTATGATTGCCTATATGAAAAACAACCTCAGTTAAACTATAATGTGTGA
TTCTGTATAACAAGGTGATGTCTGTTTCCAGGGCTCAGACCTAATCCAGTTATAATAAAATCAATTA
ATGAAATATTCTATAGAATCGATCTATGCCCTTGTAACTCCATCCATATAGGAGTCACGTTCTTTAA
GACAGATGGTGGTAGTTATTTTTGTGGCATGGTTAGATTTGACTGTTTTGCAGAAGATTACAGTTATG
TACTGCATAATGACATATACAATAGTGGTCCCATAAAATTATAATGGAGCAGAAAATCTATTGCCTCAT
GATGTTTTAGCCGTTTTAATGTCATAGCCTAGTGCATTACTCACGTGTCTGTGGAGATGCTGGTGTAAA
CAAACCTACTACACTGCCAGTTGTATAAAGTACAGCACATTCAGTTATGTACAGTATGTAATACTGAT
AATGACAATAAATGACACCGGTTTGTGTATTTACTTTTTATAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003781.4](#)

Summary:

This gene is a member of the beta-1,3-galactosyltransferase (beta3GalT) gene family. This family encodes type II membrane-bound glycoproteins with diverse enzymatic functions using different donor substrates (UDP-galactose and UDP-N-acetylglucosamine) and different acceptor sugars (N-acetylglucosamine, galactose, N-acetylgalactosamine). The beta3GalT genes are distantly related to the Drosophila Brainiac gene and have the protein coding sequence contained in a single exon. The beta3GalT proteins also contain conserved sequences not found in the beta4GalT or alpha3GalT proteins. The carbohydrate chains synthesized by these enzymes are designated as type 1, whereas beta4GalT enzymes synthesize type 2 carbohydrate chains. The ratio of type 1:type 2 chains changes during embryogenesis. By sequence similarity, the beta3GalT genes fall into at least two groups: beta3GalT4 and 4 other beta3GalT genes (beta3GalT1-3, beta3GalT5). The encoded protein of this gene does not use N-acetylglucosamine as an acceptor sugar at all. [provided by RefSeq, Mar 2017]

Locus ID:

8706

MW:

75.5