

## Product datasheet for **SC215324**

### **B3GALT2 (NM\_003783) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	B3GALT2 (NM_003783) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	B3GALT2
Synonyms:	beta3Gal-T2; BETA3GALT2; GLCT2
ACCN:	NM_003783
Insert Size:	1594 bp



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**Insert Sequence:** >SC215324 3'UTR clone of NM\_003783  
 The sequence shown below is from the reference sequence of NM\_003783. 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
GGCAGGTATCGCCACCGTAAACTACATTAGAAAAGACAATTTTTTTTCAAATGTGCAATTTGTAAATAT
TGCTAAAAGCATGTATAGTTAGAACTGATTACATCCGTAGGACAAGTTTTAGTTAAAACATCACATA
AAGAAATCAAGAAGTATTTTTTAATTTCTGAAGAAGTTAATTTAAAACATAACATTATATAACA
AAAAAGGTTTCCAAAACAATCTATTTAAAAAACTGTATAAGGAGATTCTGTGATTAACATGCAATAA
CAAGCATGCATAAATCAATGGTTCAAGTCTTCTGTTAGGGGCCAATAAAATGTATCTGCATATGTTTTC
CACATAAATTTAATCAAGAAATGACAGTCAAAAGATCCTTCATTTTAGATTAAGCTTTTCATTTTAA
TATATAATTTAATGAAATAAAACATCACTATCAATTTAAGGAACTTTTTAATGTGCAAAAGGATAA
ATTTTTGACCTATTTAGGGTTCTAAATGCAATAAGATTTAGTTGAGTTATTCCACAAACACATTATA
AAGTTCAGATGTTTCATCAATGCAGTTCACGAAAGTATTTACTTTTTAAAAATAACTGAGATATTAT
TTTAAATTTCTTTTATTAATACTTTCTTTTATTAATATATGGGGGAAAATTTTTTGACATGACGTGGT
AAAATGTGAAAACTAATGTGTCTCAGGCTCAAGTTTTTATAGTTATTAATGTTTCAAAATAGACAAG
TTTTGTTTCCTCATTGATGTTAAGAACCAAACTCCTATTTCAATGAGTTATTGGATTAGACCAATTACT
GCACTCTTAAACAGCACCACCTTAATTTTCAATGATATCTAATTTTCAATATATCTGTAAGATAATC
GAAGCAAAAGTAACTCACTTAAAGGCACAAATAGGATGACTGTTGAAAAGATAAAGAGTGCAGGTGCA
GTTTCATTCAACACATTTTTAAGATGCATGTCTGCCAAAATGCAACATACGGGAAGTTTATTTCTGAC
AGCAGGTGTACACATGCCAACACTTAATCATTATGACACTATTTCTTTCTGGAGTCCAAAGTTTG
CAAACCTGCAGTTTTTAATTTGGTAGATGACAAAATATTCTGAATCACCATAAAAAACCTTTTTGGGAG
GGATGGGGAAAACACAAACGTTTGACAAAACAAATTCTAGGATGAACAATGTATACAATGCACTTTTA
TGAAGTTTTTAAAAATAAAGGAAAACAAAAAATTTACTGAGTGTATAAGTATTTTACAATAATTTT
GTTTGACTCCATCATGAATTTTAAATCAAGAAATACCAACCTACTAACTAAAATAGTGTTTTTATTCC
ATACAAGTATGTAATCTGTCAATCTTAATTTAGTCAGAATGTTTCTTAATTTCAATAACAATCATT
TACCTCTTATTCTATTATTAAGGATAAATCACCAGAAGAGAATTGTAACATTTGTGAAACTTGAAAAC
ACTAAAACGTGTTAAGTGCTTATCTCCATTTCAAATCAGTAGCCTAAGTGTCTACTCTAAATCAAGTG
ATTCTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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\\_003783.3](#)

**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). This gene encodes a protein that functions in N-linked glycoprotein glycosylation and shows strict donor substrate specificity for UDP-galactose. [provided by RefSeq, Jul 2008]

**Locus ID:**

8707

**MW:**

63