

Product datasheet for **SC203697**

B3GALT4 (NM_003782) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	B3GALT4 (NM_003782) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	B3GALT4
Synonyms:	BETA3GALT4; GALT2; GALT4
ACCN:	NM_003782
Insert Size:	299 bp
Insert Sequence:	>SC203697 3'UTR clone of NM_003782 The sequence shown below is from the reference sequence of NM_003782. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGTCGAGCAATAGCCTGGCTTCAGAGCTGAGAGTGCCTGGGGCCACAGGAAAGGCAGGAACAGGACCTT CTCTCTCCAGGCCAACGCAGGGGCCCTCACTGGCTGCAGCTGATCTGTTTCTTATACCAGATCCTC AGTCTCACTAAAGACAGGATATGGGAGACACCCAGGGGCTGGCCGCCAGCCAAAAGATGGTCATC GGGAAGAGAAAAAGAAAAAATGCTGCAGTTGTTCTCTCAAGCTAGGGCAGAAGAGGGGTGCAAGCTC CTCAATAAACTTGTCTCCACTTC ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_003782.4</u>



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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 is oriented telomere to centromere in close proximity to the ribosomal protein S18 gene. The functionality of the encoded protein is limited to ganglioseries glycolipid biosynthesis. [provided by RefSeq, Jul 2008]

Locus ID: 8705

MW: 10.7