

Product datasheet for **SC209409**

B4GALT3 (B4GALT2) (NM_003780) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: B4GALT3 (B4GALT2) (NM_003780) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: B4GALT2
Synonyms: B4Gal-T2; B4Gal-T3; beta4Gal-T2
ACCN: NM_003780
Insert Size: 750 bp
Insert Sequence: >SC209409 3'UTR clone of NM_003780
The sequence shown below is from the reference sequence of NM_003780. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGCCTCCGTCGTGGCCCCCTCGGGCTGACACTAATGGACAGAGGCTCTCGGTGCCGAAGATTGCCTG
CCAGAGGACTGACCACAGCCTGGCTGGCAGCTGCTCTGTGGAGGACCTCCAGGACTGAGACTGGGCTCT
GTTTTCCAAGGGTCTTCACTAGGCCCTAGCTACACCTGGAAGTTTCAGAACCCACTTTGGGGGGCCT
CCTGCCTGGGCAGGCTCTCAAGTGTGGCCCTTTGGAGTCAACCCCTCCTCCCGACCCCTCCCCCT
AGCCCAGCCCCAGTCACTGTCAGGGTCGGGCCAGCCCCTGCACTGCCTCGCAGAGTGGCCTGGGCTAGG
TCACTCCACCTCTCTGTGCCTCAGTTTCCCCCTTGAGTCCCCTAGGGCCTGGAAGGGTGGGAGGTAT
GTCTAGGGGGCAGTGTCTTCCAGGGGAATTCTCAGCTCTTGGGAACCCCTTGCTCCCAGGGGAGG
GGAAACCTTTTTTCATTCAACATTGTAGGGGGCAAGCTTTGGTGCGCCCTGCTGAGGAGCAGCCCCAG
GAGGGGACCAGAGGGATGCTGTGTCGCTGGGATCTGGGGTTGGCCTTTGCATGGGAGGCAGGT
GGGGCTTGGATCAGTAAGTCTGGTTCCCGCCTCCCTGTCTGAGAGAGGAGGCAGGAGCCCCAGGGCCGG
CTTGTTGTGTACATTGCACAGAACTTGTGTGGGTGCTTTAGTAAAAAACGTGAATGGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:

Sgfl-Mlul

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).



[View online »](#)

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_003780.5
Summary:	This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The enzyme encoded by this gene synthesizes N-acetyllactosamine in glycolipids and glycoproteins. Its substrate specificity is affected by alpha-lactalbumin but it is not expressed in lactating mammary tissue. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]
Locus ID:	8704
MW:	26.2