

## Product datasheet for **SC210252**

### **B4GALT4 (NM\_212543) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** B4GALT4 (NM\_212543) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** B4GALT4  
**Synonyms:** B4Gal-T4; beta4Gal-T4  
**ACCN:** NM\_212543  
**Insert Size:** 837 bp  
**Insert Sequence:** >SC210252 3'UTR clone of NM\_212543  
The sequence shown below is from the reference sequence of NM\_212543. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGCATCGCC
ATCACAGTGGATTCTGGTTTGGTGCATGACCTGGGTCTTTTGGTGATGTTTGAAGAAGTATTCTT
TGTTTGCATAATTTTGGCCTAGAGACTTCAAATAGTAGCACACATTAAGAAGCTGTTACAGCTCATTG
TTGAGCTGAATTTTCTTTTGTATTTTCTTAGCAGAGCTCCTGGTGATGTAGAGTATAAACAGTTG
TAACAAGACAGCTTTCTTAGTCATTTTGCATGAGGGTTAAATATTGTAATATGGATACTTGAAGGAC
TTTATATAAAAAGGATGACTCAAAGGATAAAATGAACGCTATTTGAGGACTCTGGTTGAAGGAGATTAT
TTAAATTTGAAGTAATATATTATGGGATAAAAGGCCACAGGAAATAAGACTGCTGAATGTCTGAGAGAA
CCAGAGTTGTTCTCGTCCAAGGTAGAAAGGTACGAAGATAACAATACTGTTATTTCATTTATCCTGTACAA
TCATCTGTGAAGTGGTGGTGTGAGGTGAGAAGGCGTCCACAAAAGAGGGGAGAAAAGGCCAGCAATCAG
GACACAGTGAAGTGGGAATGAAGAGGTAGCAGGAGGGTGGAGTGTGCGCTGCAAAGGCAGCAGTAGCT
GAGCTGGTTGCAGCTGCTGATAGCCTTCAGGGGAGGACCTGCCAGGTATGCCTTCCAGTGATGCCAC
CAGAGAATACATTCTCTATTAGTTTTTAAAGAGTTTTTGTAAAATGATTTTGTACAAGTAGGATATGAA
TTAGCAGTTTACAAGTTTACATATTAATAATAAATATGTCTATCAAATACCTCTGTAGTAAAATG
TGAAAAAGC
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_212543.2</a>
<b>Summary:</b>	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 appears to mainly play a role in glycolipid biosynthesis. Two alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	8702
<b>MW:</b>	32.4