

Product datasheet for **SC206813**

B4GALT3 (NM_003779) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: B4GALT3 (NM_003779) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: B4GALT3
Synonyms: beta4Gal-T3
ACCN: NM_003779
Insert Size: 536 bp
Insert Sequence: >SC206813 3'UTR clone of NM_003779
The sequence shown below is from the reference sequence of NM_003779. 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
AACCACACAGCCCTCCGAGGTTACACTGACTCCTCCTTCTGTCTACCTTAATCATGAAACCGAATTC
ATGGGGTTGTATTCTCCCACCCTCAGCTCCTCACTGTTCTCAGAGGGATGTGAGGGAACCTGAACCTG
GTGCCGTGCTAGGGGGTAGGGGCCTCTCCCTCACTGCTGGACTGGAGCTGGGCTCCTGTAGACCTGAGG
GGTCCCTCTCTAGGGTCTCCTGTAGGGCTTATGACTGTGAATCCTTGATGTCATGATTTTATGTGAC
GATTCCTAGGAGTCCCTGCCCTAGAGTAGGAGCAGGGCTGGACCCCAAGCCCTCCTCTTCCATGGA
GAGAAGAGTGATCTGGCTTCTCCTCGGACCTCTGTGAATATTTATTCTATTTATGGTTCCCGGGAAGTT
GTTTGGTGAAGGAAGCCCTCCCTGGGCATTTTCTGCCTATGCTGGAATAGCTCCCTCTTCTGGTCTG
GCTCAGGGGGCTGGGATTTTATATATTTTCTAATAAAGGACTTTGTCTCGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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_003779.4](#)



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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. This gene encodes an enzyme that may be mainly involved in the synthesis of the first N-acetyllactosamine unit of poly-N-acetyllactosamine chains. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2010]

Locus ID:

8703

MW:

19.7