

Product datasheet for MC203647

B4galt1 (NM_022305) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galt1 (NM_022305) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	B4galt1
Synonyms:	4-GalT; 4-GalT1; B-1; b4Gal-T1; beta-1; beta4Gal-T1; Ga; GalT; Ggtb; Ggtb2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC053006

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GCTGATCTCTCCAAAGTCCC CGCGCCAGGGGTGTCGGCTTTCGCGCCAGCGCGCCGGTGTGCGCTAGG
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AAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_022305
- Insert Size:** 1200 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC053006](#), [AAH53006](#)

RefSeq Size: 4009 bp

RefSeq ORF: 1200 bp

Locus ID: 14595

UniProt ID: [P15535](#)

Cytogenetics: 4 20.46 cM

Gene Summary: This gene encodes two distinct enzyme isoforms, a long membrane-bound form and a short soluble form. These alternate isoforms are thought to be produced through alternative nested transcription initiation and different in-frame start codon usage. These enzymes catalyze the transfer of galactose to acceptor sugars, such as N-acetylglucosamine and glucose. The long form of this enzyme is localized to the trans-Golgi membrane and is involved in glycoconjugate biosynthesis. The short form functions in lactose biosynthesis through formation of a heterodimer with alpha-lactalbumin. [provided by RefSeq, Nov 2012]