

## Product datasheet for **MC207881**

### **B4galt7 (NM\_146045) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** B4galt7 (NM\_146045) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** B4galt7  
**Synonyms:** MGC28643  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207881 representing NM\_146045  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGCCCTCCCGGAGGAAAGCGGCGCAGCTGCCCTGGGAGGATGGCAGGGCCAGGTTGCTTCCTGGAG  
 GCCTCCGCGGAAATGCTCCATCTCCACCTCTTCATTGCCTTTCTCCTGTTGGTCTTCTCTCCCTGCT  
 CTGGCTGCAGCTCAGCTGTTCTGGAGATATGGCCAGGTGACCAGGGGACAAGGGCAAGAGACCTCGGGT  
 CCACCCCGGGCTTGCCCTCCAGAGCCGCCCTGAGCACTGGGAAGAAGATGAGTCTGGGGCCCCACC  
 GCTTGGCAGTGTGGTGCCTTTTCGTGAGCGCTTTGAGGAGCTGCTGGTCTTTGTGCCCCACATGCACCG  
 CTTCTAAGCAGGAAGAGGATCCAGCACCATCTATGTGCTCAACCAGGTGGACATTTTCAGGTTCAAT  
 CGGGCAGCACTCATCAATGTGGGCTTCTGGAGAGCAGCAACAGCACAGACTACATCGCCATGCACGATG  
 TGGACCTGCTCCCTCTCAATGAGGAGCTGGACTATGGCTTCCCGGAGGCTGGGCCCTTCCATGTGGCCTC  
 CCCAGAGCTCCACCCTCTACCACTACAAGACCTATGTGGGCGGCATTTGCTGCTGTCCAAACAGCAC  
 TACCAGCTGTGCAACGGAATGTCCAACCGCTTTTGGGGCTGGGGCCGAGAGGATGATGAATCTACCGGC  
 GCATCAAAGGAGCTGGCCTCCAGCTTTTCCGCCCTCGGAATCACAACCTGGGTACCAGACATTTGCCA  
 CTTGCATGACCCTGCCTGGCGGAAGAGGGACCAAAAACGCATTGCGGCTCAAAAACAGGAACAGTTCAAG  
 GTGGACCGGGAGGGAGGCTGAACACTGTGAAGTACCGGGTGGATTCCCCGACGGCACTGCTATAGGAG  
 GGGCCCCGTGCACTGTCTCAATGTCATGCTGGACTGCGATAAAAACAGCCACCCCATGGTGCATATTTGG  
 CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_146045



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<b>Insert Size:</b>	984 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_146045.2</a></u> , <u><a href="#">NP_666157.1</a></u>
<b>RefSeq Size:</b>	2317 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	218271
<b>UniProt ID:</b>	<u><a href="#">Q8R087</a></u>
<b>Cytogenetics:</b>	13 B1
<b>Gene Summary:</b>	<p>Required for the biosynthesis of the tetrasaccharide linkage region of proteoglycans, especially for small proteoglycans in skin fibroblasts.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>