

## Product datasheet for **RR201013**

### **B4galt3 (NM\_001009539) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** B4galt3 (NM\_001009539) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** B4galt3  
**Synonyms:** MGC72586  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201013 representing NM\_001009539  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTGCGGAGGCTGCTGGAGAGGCCCTGCACACTGGCCCTGCTTGTGGGCTCCCACTGGCAGTTATGA  
TGTATCTGTCACTAGGGGCTTCCGAAGCTTAGTGCCCTGTTTGGTCGAGATCCAGGCCAACATTGCA  
CTATTCTCATCCCATGATGTCTATAGTAACCTCAGTCACCTGCCTGGAGCCCTGGAGCTGCAGGGCT  
CCTCTAGCTCAAGTTCTGCCTGACTGTCCAGAAAGATCGCTTTCTTAGTGGGTCCTGTGTCAGTACCT  
TTAGCCAGTGCCATCACTAGCAGAGATCGTGGAGCGGAATCCCCGGGTGGAATCAGGGGCGCGTACCG  
TCCTGCAGGATGTGAGCCTCGCTCCCGAACAGCCATAATTGTGCCCCACCGTGCCGGGAGCACCACCTC  
CGACTGCTACTCTATCACCTGCACCCCTTCTGCAGCGCCAGCAGCTTGCTTATGGCATCTATGTCATCC  
ACCAGGCTGAAATGGAACGTTTAAACAGGGCCAACTGCTGAACGTAGGGGTGAGGGAAGCCCTTCGTGA  
CGAAGAGTGGGACTGCTTGTTTTACACGATGTGGACCTCCTCCAGAAAACGACCATAACCTGTATGTG  
TGTGACCCCGGGGACCCCGCCATGTTGCTGTCGCCATGAACAAGTTGGATACAGCCTTCGGTACCCCG  
AGTACTTTGGCGGAGTTTCAGCACTCACTCCTGACCAGTACCTGAAGATGAATGGCTTCCCAATGAATA  
CTGGGGCTGGGGTGGCGAGGATGACGACATTGCTACCAGGGTTCGCTGGCTGGGATGAAGATTTCCCGA  
CCACCCACCTCTGTGGGACACTACAAGATGGTGAAGCACAGAGGGGATAAAGGAAATGAGGAAAACCCCG  
ACAGATTTGACCTCCTGGTCCGTACCCAGAATTCTGGACACAAGATGGAATGAACTCACTAACATACCG  
ACTGCTGGCAAGAGAGCTGGTCTCTCTACACCAACATCACTGCAGACATTGGGACTGACCCTCGGGGT  
CCCCGGGCTCCCTCTGGTCCCCGATACCCACCAGGTTCTCCAGGCCTTCCGTGAGGAGATGCTGCAAC  
GCCGGCCCCAGCTAGGCTGGCCCTCTGCCTACTGCCAACACAGCTCCCCATGGTTACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201013 representing NM\_001009539  
 Red=Cloning site Green=Tags(s)

MLRRLLERPCTLALLVGSQAVMMYLSLGGFRSLSALFGRDPGPTFDYSHPHDVYNSLSHLPGAPGAAGA  
 PLAQVLPDCPERSPFLVGPVSVSFSVPVSLAEIVERNPRVESGGRYRYPAGCEPRSRTAIIVPHRAREHHL  
 RLLL YHLHPFLQRQLAYGIYVIHQAGNGTFNRAKLLNVGVREALRDEEWDCLFLHDVDLLPENDHNLVY  
 CDPGRPRHVAVAMNKFYSLPYPQYFGGVSALTPDQYLKMNGFPNEYWGWGEDDDIATRVLAMKISR  
 PPTSVGHYKMKVHRGDKGNEENPHRFDLLVRTQNSWTQDMNSLTYRLLARELGPLYTNIATDIGTDPGR  
 PRAPSGPRYPGSSQAFRQEMLQRRPPARPGLPTANHTAPHGSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

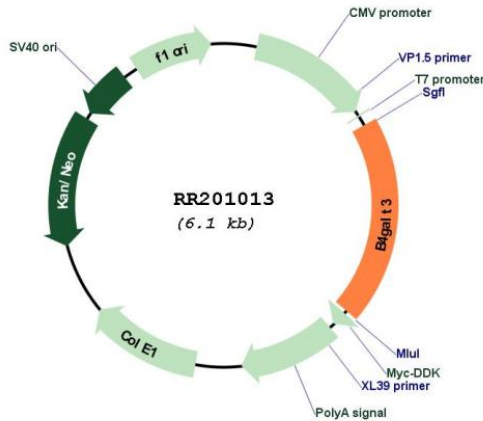
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001009539

<b>ORF Size:</b>	1185 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001009539.1</a> , <a href="#">NP_001009539.1</a>
<b>RefSeq Size:</b>	2007 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	494342
<b>UniProt ID:</b>	<a href="#">Q6P768</a>
<b>Cytogenetics:</b>	13q24
<b>MW:</b>	44 kDa
<b>Gene Summary:</b>	Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids.[UniProtKB/Swiss-Prot Function]