

Product datasheet for **RR204953**

B4galt7 (NM_001031661) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B4galt7 (NM_001031661) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: B4galt7
Synonyms: MGC116242
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204953 representing NM_001031661
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGCCCTCCCGAGGAAAGCGGCGCAGCTGCCCTGGGAGGATGGCAGGGCCAGGCTGCTTCCTGGAG
GCCTCCGCGGAAATGCTCCATCTTCCACCTCTTCATTGCCTTTCTCCTGTTGGTCTTCTTCTCCCTGCT
CTGGCTGCAGCTCAGCTGTTCTGGAGATGTGGCCAGGTGACCAGGGGACAAGGGCAGGAGACCTCGGGT
CCACCCGAGCTTGTCCCCAGAACCGCCCTGAGCACTGGGAAGAAGATGAGTCATGGGGCCTCACC
GGTTGGCAGTGTGGTGCCTTTTCGGAACGCTTTGAGGAGCTGCTGGTCTTTGTGCCCCACATGCACCG
CTTCTAAGCAGGAAGAAGATCCAGCACCATCTATGTGCTCAACCAGGTGGATCACTTCAGGTTCAAT
CGGGCAGCACTCATCAATGTGGGCTTCTGGAGAGCAGCAACAGCACAGACTACATCGCCATGCACGATG
TGGACCTACTCCCTCTCAATGAGGAGCTGGACTATGGCTTCCCGAGGCTGGGCCCTTCCATGTGGCTTC
CCCAGAGCTCCACCCTCTTACCCTACAAGACCTATGTGGGTGGCATTCTGCTGCTGTCCAAACAGCAC
TACCAGCTGTGCAACGGGATGTCAACCGCTTCTGGGGCTGGGGCCGAGAGGACGATGAATTCTACCGGC
GCATCAAAGGAGCTGGTCTCCAGCTTTTCGCCCCTTGGGGATCAACAATGGGTACCAGACATTTGCCA
CTTGATGACCCAGCCTGGCGGAAGAGGGACCAGAAACGCATTGCGGCTCAAAAACAGGAACAGTTCAAG
GTGGACCGGGAGGGAGGCTGAACACTGTGAGGTACCGGGTGGATTCCCCGACGGCACTGTCCGTAGGAG
GGGCCCTCTGACTGTTCTCAATGTCATGCTGGACTGCGATAAGACAGCCACTCCATGGTGCACATTTGG
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204953 representing NM_001031661
 Red=Cloning site Green=Tags(s)

MLPSRRKAAQLPWEDGRARLLPGGLRRKCSIFHLFIAFLLLVFFSLLWLQLSCSGDVAQVTRGGQGETSG
 PPRACPPPEPPPEHWEDESWGPRLAVLVPFRERFEELLVFVPHMHRFLSRKKIQHHIYVLNQVDHFRFN
 RAALINVGFLSSNSTDYIAMHDVDLLPLNEELDYGFPEAGPFHVASPELHPLYHYKTYVGGILLLSKQH
 YQLCNGMSNRFWGWGREDEFYRRIKAGLQLFRPLGITTYQTFRHLHDPAWRKRDKRISAAQKQEQFK
 VDREGGLNTRVRYRVSRTALSVGGAPCTVLNVMMLDCDKTATPWCTFG

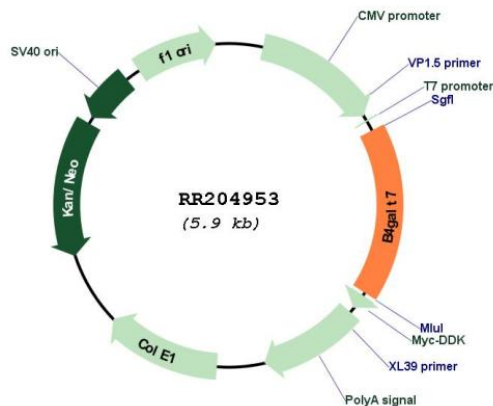
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001031661

ORF Size: 981 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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:	NM_001031661.1 , NP_001026831.1
RefSeq Size:	1591 bp
RefSeq ORF:	984 bp
Locus ID:	364675
Cytogenetics:	17p14
MW:	37.7 kDa