

Product datasheet for **RR211467**

B4galt6 (NM_031740) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B4galt6 (NM_031740) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: B4galt6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211467 representing NM_031740
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGCGCTCAAGCGGATGATGCGGGTCTCCAATCGTCCCTGATCGCCTTCATCTTCTTCTCTCCC
TCTCCACGTCTGTCTCTATTTTCATCTATGTGGCTCCAGGCATCGCCAACACATACTCTTTATGGTACA
AGCTAGAGGCATCATGCTGAGAGAAAATGTAAAACAATTGGACACATGATCAGGCTGTATACCAATAAA
AACACTACGCTCAATGGGACAGATTATCCCGAAGGCAATAATACAAGTACTATCTTGTTCAAAACAACA
CGTATCTTCCGCAGAACTTCACGTATTCACCGCACCTCCCTGTCCAGAGAAGCTGCCTTATATGCGGGG
ATTCTCAGTGTCAACGTGAGTGAATCAGCTTTGATGAAGTCCATCAGCTCTTCTCCAAGGACTCGGAG
ATTGAGCCGGGAGGCCACTGGAGGCCAGGACTGCAAGCCTAGATGGAAGGTGGCAGTTCTCATCCCT
TCCGTAACCGCCATGAACACCTCCCGATCTTTTCTGCACCTGATCCCGATGCTCCAGAAACAGAGGCT
GGAATTTGCCTTTTATGTCATCGAACAGACCGGCACACAACCGTTCAATCGTGCCATGCTCTTTAACGTG
GGTTTCAAAGAGGCCATGAAGGACAGAGCCTGGGACTGTGTGATCTTCCACGACGTGGATCATCTTCTG
AGAACGATCGGAACTATTACGGATGCGGGGAGATGCCCGGCACCTTGCAGCGAAGCTGGACAAGTACAT
GTACATTTCTTATAAAGGAGTTCTTTGGTGGGGTGAAGTGGCCTGACAGTGGAGCAATTTAGGAAGATC
AATGGCTTTCCCAATGCCTTCTGGGGATGGGGAGGAGGATGACGACCTTTGGAACAGAGTTCACTACT
CTGGATACAATGTAACCCGGCCAGAGGGGGACTTGGGAAAATATACATCTATTCCCACATCACCATCGAGG
GGAAGTACAATTTTAGGACGGTATAAATTACTTCGCTATTCTAAGGAGCGTCAGTTCAATTGATGGATTG
ACAATTTATTATACACCCAAAATACTGTTGACAGGCTGTATACAAATATATCTGTAACCTCATGC
CGGAGTTAGCTCCAGTTGAAGACTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MSALKRMMRVSNRSLIAFFFFSLSTSCLYFIYVAPGIANTYLFMVQARGIMLRENVKTIghMIRLYTNK
 NTTLNGTDYPEGNNTSDYLVQTTTTYLPQNFTYSPHLPCPEKLPYMRGFLSVNVSEISFDEVHQLFSKDSE
 IEPGGHWRPQDCKPRWKVAVLIPFRNRHEHLPIFFLHLIPMLQKQRLEAFYVIEQTGTQPFNRAMLFNV
 GFKEAMKDRAWDCVIFHDVDHLPENDRNYYGCGEMPRHFAAKLDKYMYILPYKEFFGGVSGLTVEQFRKI
 NGFPNAFWGWGGEDDLWNRVHYSGYNVTRPEGDLGKYTSIPHHHRGEVQFLGRYKLLRYSKERQFIDGL
 NNLLYTPKILVDRLYTNISVNLMPRELAPVEDY

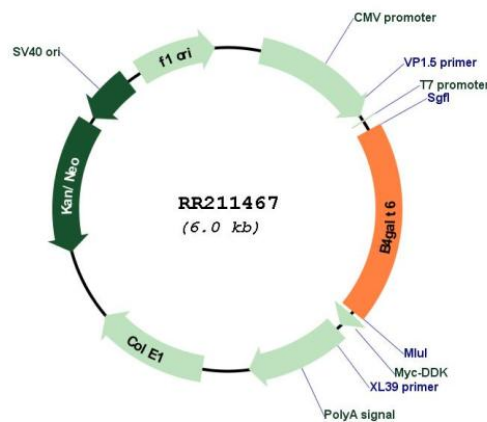
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031740

ORF Size:	1146 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_031740.1 , NP_113928.1
RefSeq Size:	5729 bp
RefSeq ORF:	1149 bp
Locus ID:	65196
UniProt ID:	O88419
Cytogenetics:	18p12
MW:	44.8 kDa
Gene Summary:	catalyzes the transfer of galactose from UDP-Gal to glucosylceramide [RGD, Feb 2006]