

Product datasheet for **RR207930**

B3galt2 (NM_001109492) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3galt2 (NM_001109492) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B3galt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR207930 representing NM_001109492 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTTCAGTGGAGGAGAAGACACTGCTGCTTTGCAAAAATGAGCTGGAATGCTAAAAGGTCTCTGTTC
GGACTCACCTTATGGGTGTACTTTCTCTAGTGTTCTTTTTGCTATGTTTTGTTTTCAATCATCATGA
CTGGTTACCAGGTAGACCAGGATTCAAAGAAAATCCTGTGACATACACTTCCGAGGATTCGTTCTACA
AAAAGTACGAGCAATCAAGCTCCCTTCGGAACATCTGGAAGAAGTAGTTCCTCAGACTTTCGGGCTC
AGACAGCAACTAACTCCAACAACACAGAGCTATACCACAAGGAGTTACAGGACTAGAGAACACTCTCAG
CGCCAACGGAAGCATTTATAATGAAAAGGGTACTGGACATCCAACTCTTACCATTTCAAATATATCATC
AATGAGCCTGAAAAATGCCAAGAGAAAAGTCCATTTTTAATCCTACTAATAGCTGCAGAGCCTGGACAAA
TAGAAGCAAGAAGAGCTATACGGCAAACCTGGGCAACGAACTTAGCACCTGGCATCCAATCACAAG
GATTTTCTTGTGGGCATAAGTATTAAGCTAAATGGCTATCTTCAACATGCAATCCAAGAAGAAAGCATA
CAGTATCATGATATAATTCAGCAGGAATACTTAGATACTATAATCTGACCATTAACACTAATGG
GTATGAACTGGGTTGCAACATACTGTCCACATACTCCATATGTTATGAAAACGGACAGTGATATGTTTGT
CAACACAGAATACTTAATACACAAGTACTAAAGCCAGACTGCCTCCTAGACATAACTATTTACTGGG
TATCTAATGAGAGGCTATGCACCTAACAGAAAACAAAGACAGCAAGTGGTACATGCCACCAGACCTGTACC
CAAGTGAGCGTTACCCTGTCTTCTGCTCAGGAACTGGTTATGTTTTTCTGGGGATCTGGCAGAAAAGAT
ATTTAAGGTTTCTTTAGGTATCCGTCGTTTGCCTTGGAAAGATGTATATGTAGGGATCTGTCTTGCCAAG
TTGAGAGTTGATCCAGTGCCCCCTCCAATGAGTTCGTGTTCAATCACTGGCAGGTTTCTTATTTCAAGCT
GTAATAACAGCCCACTAATTACCTCTCATCAGTCCAGCCTAGTGAAGTATAAAATACTGGAATCATT
ACAACAAAATAAGCACACGCCTGTGTCAACGCAGCAAAGGAAAAGGCAGGCAGGTATCGGCACCCGAAA
CTACAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207930 representing NM_001109492
Red=Cloning site Green=Tags(s)

MLQWRRRHCCFAKMSWNAKRSLFRTHLMGVL SLVFLFAMFLFFNHHDWLPGRPGFKENPVTYTFRGFRST
 KTETNQSSLRNIWKEVVPQTLRPQTATNSNNTLSPQGVGTLENTLSANGSIYNEKGTGHPNSYHFYII
 NEPEKCQEKSPFLILLIAAEPGQIEARRAIRQTWGNETLAPGIQITRIFLLGISIKLNGYLQHAIQEESI
 QYHDIIQQEYLDYYNLTIKTLMGMNWWATYCPHTPYVMKTDSDMFVNTEYL IHKLLKPDLPFRHNYFTG
 YLMRGYAPNRNKDSKWYMPDLYPSERYPVFCSGTGYVFSGLAEKIFKVS LGIRRLHLEDVYVGI CLAK
 LRVDPPPPNEFVFNHWRVSYSSCKYSHLITSHQFQPS ELIKYWNHLQQNKHNACVNAAKEKAGRYRHRK
 LH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

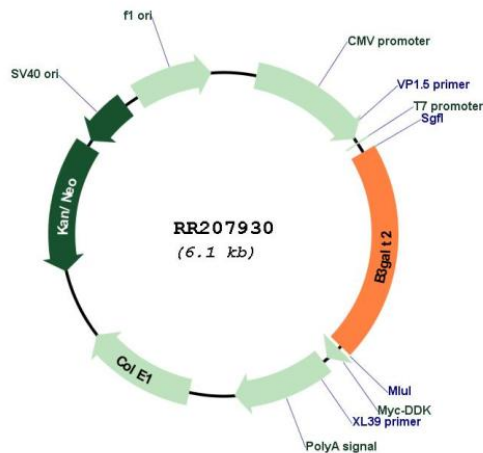
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001109492
ORF Size:	1266 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_001109492.1 , NP_001102962.1
RefSeq Size:	4463 bp
RefSeq ORF:	1269 bp
Locus ID:	686081
Cytogenetics:	13q21
MW:	49.3 kDa