

Product datasheet for **RR206049**

B4galt4 (NM_001012018) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galt4 (NM_001012018) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B4galt4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206049 representing NM_001012018 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTGCAACCCACCTTACCTCCTCTCTACAGATTACGGTTGCTGCTCTTTACCTTATGCCTGA
CAGTGCTTGGGTGGGCCACCAGCAACTTTGTGGGTGCTATTCAAGTAATCCCAGGGCAAAGA
ACTT CATGGCTACTTTACACAAGGTCATGTATTTGGGAATGAAGAACTCTGGGCCATGGGCAGCCATGAAG
AAAGCAGAGCTTGCTAACTGCCCTTCGGTGTCTCCAAACCTCAGAGGGCAGAACAAGCTTGTTTTAAGC
CGGACCTCACTTTGGAGGAAGTTCAGGCTAAAAACCCCAAAGTGTCCAGAGGCCGGTATCGCCAGAGGA
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CAGCCCAAGCACCTGGTCTGGCCGGAACAGCACTGGCTACAGGTTGCGTTACAGTAAATATTTGGGG
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AGGAGAAGACGATGACCTCAGACTCAGGTTGAGCTGCATAAAATGAAAATATCCCGGCCAAGCCTGAC
GTGGGCAAGTACACCATGATCTTCCACACCAGAGACAAAGGCAACGAGGTGAACGGGAGCCGAATGAAGC
TGTTGCAGCAGATGTACGGGTCTGAAAAACAGATGGCTTATCGAGCTGCTCTTACAGATTGCTCTCTGT
GGAACACAACCCTTTATACGCCAACATCACAGTGGATTCTGGACCGCCGCG

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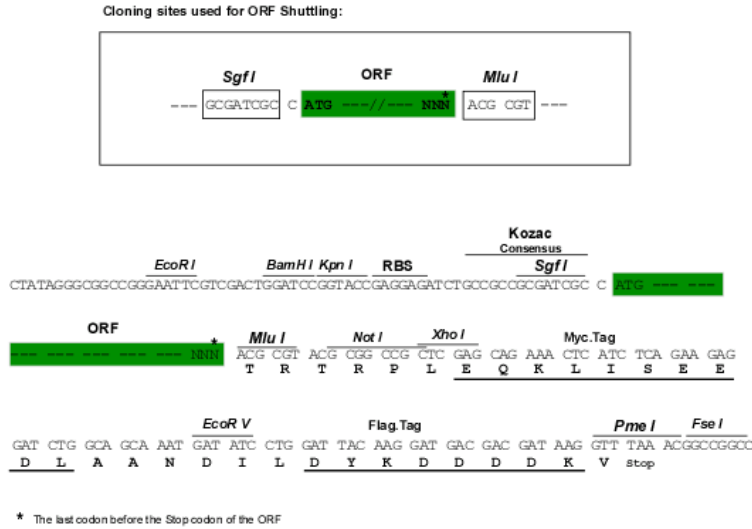
Protein Sequence: >RR206049 representing NM_001012018
Red=Cloning site Green=Tags(s)

MGCNPPYLLSYRLRLLLLFTLCLTVLGWATSNFYVGAIQVIPRAKNFMATLHKVMYLGNEETLGHGAAMK
 KAELANCPSPVSPNLRGQNKLVFKPDLTLEEVQAKNPKVSRGRYPPEECKALQRVAVLIPHRNREKHLIYL
 LEHLHPFLQRQQLDYGIYVIHQTGSKFNRAKLLNVGYLEALKEENWDCFIFHDVDLVPENDFNL YTCGD
 QPKHLVGRNSTGYRLRYSKYFGGVTAL SREQFFKVNQF SNNYWG WGGEDDDLRLRVELHKMKISRPKPD
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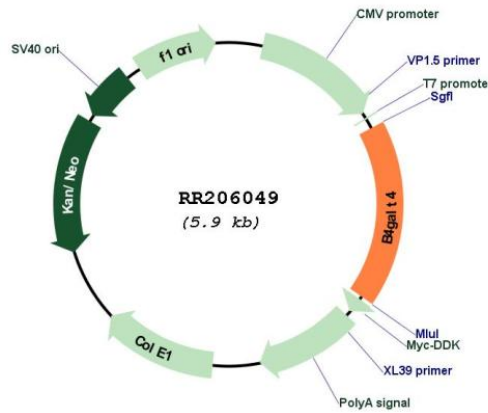
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012018

ORF Size:	1032 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_001012018.1 , NP_001012018.1
RefSeq Size:	2106 bp
RefSeq ORF:	1035 bp
Locus ID:	303923
UniProt ID:	Q66HH1
Cytogenetics:	11q21
MW:	39.7 kDa
Gene Summary:	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]