

Product datasheet for **RR214108**

B3galt4 (NM_133553) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3galt4 (NM_133553) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: B3galt4
Synonyms: MGC156596
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214108 representing NM_133553
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTCAGCCTCTCCGGCGCCTCCTTCTGGCGTCTACTACTGGTGATCATCTGGACACTGTTTG
GACCATCGGGTTTGGGGAGGAGCTGCTGAGCCTGTCCCTGGCGTCCCTTCTGCCAGCCCCAGCCTCGCC
AGGACCACCCCTGGCCCTGCCCGCCTTGTATTCTAACCAGGAGCCTGTGGTGGCTCCGGACCCCT
CCTTTCTTGCTCATCCTGGTGTGTACGGCCCCGGAGCACCTGAACCAGAGAAACGCCATTCGGGGATCTT
GGGGCGCCATTCGCGAGGCCCGCGGTTTCAGGGTGCAGACGCTCTTCTCCTGGGAGAACCATATGGGACA
GCAGTTTGTGACCTGGCCTCAGAGTCAGCAGCACAGGGGGATGTCTTGACAGCCTCCTTCCAGGATTCC
TACCGCAACCTCACCCCTCAAGACCCTCACCGGACTGAAGTGGGTGAACAAATACTGTCTATGGCCCGGT
ACATCCTCAAGACAGATGATGACGTGTATGTCAATGTCCAGAGCTGGTGTGAGAACTGATACAGAGAGG
GGGGCCTTCAGAGCAATGGCAGAAGGGCAAAGAGCCACAGGAAGAGACAACAGCTGTCCACAAAGAGCAC
AAAGGCCAGGCAGTGGCCCTTCTGTATTTAGGCCGGGTGCACTGGAGGGTGGAGCCCACTCGAACACCAG
AGTCCCGCATCACGTGTCAGAAGAACTGTGGCCAGAAAACCTGGGGTCTTTCCACCCTACGCCCTGG
CACGGGGTATGATTGTCTATCTCTGTGTGACGCTCATTCTGAAGGTGGCCAGCCGGGCCCATATCTA
CCTCTGGAGGATGCTTTGTGGAGTAAGCGCAAGGCGAGGGGGCCTTGGCCCCACACACTGTGTCAAGT
TGGCTGGTGTACCCACTACCCACTGGATAGGTGCTGTTACGGGAAGTTCCTGCTGACGTCCACAAAGGT
GGATCCTTGAAAATGCAGGAAGCCTGGAAGCTGGTGAGAGGACTGAATGGGAGAAGGACTGAGCCCTTT
TGTTCTGGCTCCAGGGATTTCTGGGTACCTTGAGGTGCCGGTTCATAGCCTGGCTCAATAGT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR214108 representing NM_133553
Red=Cloning site Green=Tags(s)

MPLSLFRRLLLAVLLLVIWTLFGPSGLGEELLSLSLASLLPAPASPGPPLALPRLLIPNPQACGGSGPP
 PFLILVCTAPEHLNQRNAIRGSWGAIREARGFRVQTLFLLGEPMGQQFADLASESAAQGDVLAQSFQDS
 YRNLTLKTLTGLNWNKYCPMARYILKTDVVYVNPVELVSELIQRGGPSEQWQKGEPEETTAVHKEH
 KGQAVPLLYLGRVHWRVRPRTPTPEsrHHVSEELWPENWGPFPFYASGTGYVLSISAVQLILKVASRAPYL
 PLEDVFGVVSARRGLAPTHCVKLAGATHYPLDRCCYGFLLTSHKVDPWKMQEAWKLVRLNGRRTPEP
 CSWLQGLGLTLRCRFIAWLNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

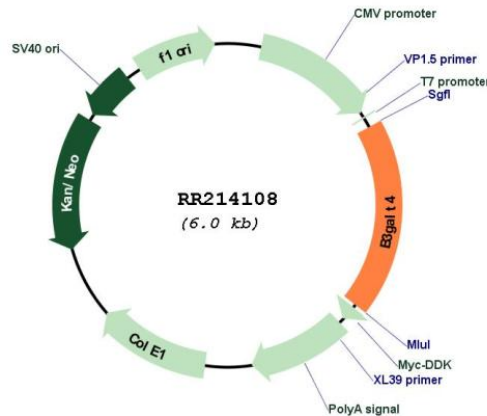
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133553

ORF Size:	1113 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_133553.2 , NP_598237.2
RefSeq Size:	1576 bp
RefSeq ORF:	1116 bp
Locus ID:	171079
Cytogenetics:	20p12
MW:	41.2 kDa
Gene Summary:	catalyzes the synthesis of gangliosides GD1b, GM1, and asialo-GM1 (GA1); may mediate the formation and differentiation of brain tissues [RGD, Feb 2006]