

Product datasheet for **RR209593**

B4galnt4 (NM_001107562) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B4galnt4 (NM_001107562) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B4galnt4
Synonyms:	RGD1310052
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209593 representing NM_001107562 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGTGGTTCCCGGTGAAGAAGGTCCGCAAGCAGATGAAGCTGCTGCTGCTGTTGCTGCTGCTCACCT
GCGCCGCTGGCTCACGTATGTGCACCGGAGCCTGGTGCGCCCGGGCCGCGCTACGCCAGCGGTGGG
CTACGGGCGAGACGGTGAGAAGCTGACTGGTGTGACCGATAGCCGGGTGTCCGGTGGCATCATCCACA
CAGAGGGCAGAGGACTCTAGTAAAGCCATGAAGAGGAGCAGGCGCTGAGGGGCGGGCCAAACATGC
TGTTTCCTGGAGGAGCTAGAAAGCCACCCCACTGAACCTCACCCATCAGACACCCCATGGCGGAAGA
GTTCAAAGGACAGGTGAACCTGCACGTGTTGAGGACTGGTGTGGGGTGTGTGGGCCACTTGAGAAGA
AACCTACACTTCCCACTATTTCTCATACCCGACGACGGTGACAAAGTTAGCCGTGTCCCTAAGTGGA
AGAACTATGGACTCCGGATTTTGGCTTCATCCACCCAGCCAGAGATGGAGACGTCCAGTTCTGTGGC
TTCGGATGACAACTCTGAGTTCTGGCTGAGTTGGATGAGAGCCAGCAGCTGCTCAGTTATAGCCTTT
GTGGGCAAGACTGGCTCTGAGTGGACCGCACCTGGAGAATTCACCAAGTTCAGTCCCAGGTGTCTAAGC
CACGGCGCTCATGGCTCCAGGAGATACTACTTTGAAGTGTTCACAAGCAAGATGACAAGGGTTCAGA
CCATGTGGAAGTGGGTTGGCGAGCTTCTGCGGGTCTGAAGTTCGAGATCATTGGTTCTGCTCACATC
TCCCTGTACAGATGAGTCATCTCTGAAGATGGACCATGTGGCCATGTGCCTCAGTCTCCAGTAGCC
ATGTAGGAGGATACCCAGCACAGGAGGCCAGCGCCGACATGCTGCATCCAGACCCAGGGACACCTT
CTTCTCACTCCGCGGATGGAACCTTTGAGCCTGGAGAATGTGCTAGAACCCTGTGCCTATGCACCTACC
TATGTCCTCAAGGATTTCCCATAGCCAGATACCAAGGACTGCAGTTCGTGTACCTGTCTTCTATCTATC
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CCTGGAAGGTTCCGGTTCTATAAATACATGAAATGGACAAGGAGGAAGGAGAGGAAGATGAGGAAGAA
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TGTTAGACAGCTGGAGCCCACTGATGCATCCCTACAGCAGAGCCACAGGACCCCAACCCAGCAGCTC
CCCTGAACTACAGCCAGCCCTACCCACCTACGACTAGTCTCTGGATGAGCAGACCCTCAGACATTCC



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CGGGCACTGAATTGGGCCCCACGCCCCCTGCCCTCTTCTTGGGGCGAGCCCCGCTCCCCGAACCTCGG
AGAAGTCGTCTTCAAAGTGTATGTGACCAGGGTACGACCTGGACAGCGGGCTTCCCCAAGGGCATTGAG
AGACTCGCCCTGGCCACCCTTCCCTGGTGTCTTCTGCGCCCCAAGCCTCTGCCAGAGTACAGTACGG
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CAGTCAGGGCACAGACCAACCAGGGAGGCCAGGAGGGCCAGTTGCACGGACAAGGACTCATGGTCCCCAC
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GACCACTGGGGAGGCGAGGACTGGGAATCTGGACAGGCTCTGCAGGCAGGGCTGGAGGTGGAGAGGC
TTCGACTTCGACATTTTACCACCACTATCACTCAAAGCGAGGCATGTGGGCCACACGACGCCGAAGGG
TGCCCGCGCACATCGATCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209593 representing NM_001107562

Red=Cloning site Green=Tags(s)

MPWFPVKVKRQMKLLLLLLLLTCAAWLTYYVHRSLVPRGRALRQLGYGRDGEKLTGVTDSEGRVVRVAST
QRAEDSSSESHEEQAPEGRGNMFLPGGARKPPPLNLTHQTPPWREEFKQVNLHVFEDWCGGAVGHLRR
NLHFPLFPHTRTTVTKLAVSPKWKNYGLRIFGF IHPARDGDVQFSVASDDNSEFWLSLDESPAAAQLIAF
VGKTGSEWTAPGEFTKFSSQVSKPRRLMASRRYYFELLHKQDDKGS DHVEVGWRAFLPGLKFEIIGSAHI
SLYTDESSLKMDHVAHPQSPASHVGGYPAQEESADMLHPDPRDTFFLTPRMEPLSENVLEPCAYAPT
YVLKDFPIARYQGLQFVYLSFIYPNDHTRLTHMETENKCFYRESPLYLERFGFYKYMMDKEEGEEDEEE
EVQRRAFLLNPDDFLDDEDEQELLDSEPTDASLQQSHRTPTPAASPETTASPTPTTSPLDEQTLRHS
RALNWA PRPLPLFLGRAPPPRTSEKSSSKVYVTRVRPGQRASPRALRDSWPFPFGVFLRPKPLPRVQLR
VPPHPPRTQGYRTSSPKVTEL RPPVRAQTNQGGQEQQLHGQGLMVPTVDLNSSVETQSVTSFSLSLSQVSR
PQLPGEEGEEDGAPGDEATSEDESEEEQAAGRPLGRWREDAIDWQRTFSVGAMDFELLRS DWNDRCN
VSGNLQLPETEAVDVVAQYMERLNARHGGRFSLRLI VNVKEKRRDSARGSRFLLLELELQERGGSRQRLSEY
VFLRLPGARVGDEDDGSPEPPPAASSHPDSRPELCRPLHLAWRQDVMVHFIVPVKNQARWVQFLADMTA
LHVQTGDSYFNILVDFESEDMDVERALRAAQLPRYQYLRRGTGNFERSAGLQTGVDAVEDPSSIVFLCDL
HIHFPPNILDSIRKHCVEGKLAFAPVVMRLGCGSSPWPDPHGYWEVNGFGLFGIYKSDFDVRVGMNTEEFR
DQWGGEDWELLDRVLQAGLEVERLRLRHFYHHYHSKRGMMWATRSRKGARAHRS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001107562

ORF Size: 3099 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:

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_001107562.1](#), [NP_001101032.1](#)

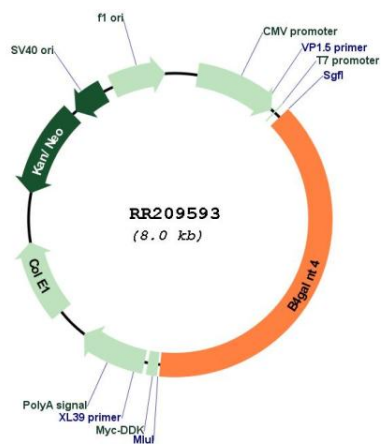
RefSeq Size: 3546 bp

RefSeq ORF: 3102 bp

Locus ID: 309105

Cytogenetics: 1q41
MW: 117.4 kDa

Product images:



Circular map for RR209593