

Product datasheet for **RR214402**

B3gnt4 (NM_001105938) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gnt4 (NM_001105938) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B3gnt4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214402 representing NM_001105938 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGCGCAGGCTGGGCTGTGTGCTGTTCTGCACCTCTTGTTCTGCTGCTCGGCTGCCTGCTCTTTC
TGAAGGAGCGAACACCAGCAGGCAGCTCTGAGGCCACCAGCACTTCTTGGCACCAGCAAGGCCACCA
CAGCCAGTGCTCACCCAACCTAACAGTTGTTAACACCTCCCTGTCCCTGCCAGCCGTCATCGCCTCTTC
TTAACCTATCGTCATTGCCGAACTTCTCCATCTTGCTGGAGCCTTCGGAGTGCCAGGGACATCTTCC
TGCTCCTGGTCATCAAGTCTCAGCCGGCTCATATTGAACAGCGTGACGCCATTTCGGAGCACTTGGGGCCG
GGTGGGAGCTGGGCTAGAGGCCGCAACTGAAGCTGGTGTTCCTCCTGGGGTGGCAGGACCTGTGCC
CCAGCCCAGCTGCTGGCCTATGAGAGTTGGCAGTTCGATGACATCCTACAGTGGGACTTCGCTGAGGACT
TCTTCAATCTGACCCTCAAGGAGCTGCATGTGCAGCGCTGGATAGCCGCTGCCTGCACACAGGCCCACTT
CATACTAAAGGGGACGATGATGTCTTTATCCATGTTCCCAATGTGCTTGAGTTCTTGGAGGGCTGGAT
CCAGCCCAGGACCTCCTGGTGGGAGATGTCATCCGCTGGCTCGGCCAACAGGAACACCAAGTTAAAT
ATTTTCATCCCGTTTTCCATGTACAGGGCCCGCCACTATCCACCTTATGCAGGAGGTGGAGGCTATGTTAT
GTCCCAGGCCACTGTGAGGCATCTTACACAGCCATGGAGGAGGCAAGCACTTCTCCCATTTGATGATGTC
TTTGTGGGATGTGCTGAGGAAGCTGGGGTGACTCCCATACCCATGCTGGCTTCAAGACATTTGGAA
TCCAACAGCCCCTCAACCCAGGGACCCCTGTCTGTACAGAGGGCTCCTGCTGGTGCACCGTCTCAGCCC
CCTGGAGATGTGGACCATGTGGGCACTGGTGACAGATGAGAGGCTGGAGTGTGCAGCTCGAAACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214402 representing NM_001105938
 Red=Cloning site Green=Tags(s)

MLRRLGCVLFCTLVVLLLGCLLFLKERTPAGSSEAHQHFLAPRPHHSQCSPNLTVVNTSLSLPSRHRLF
 LTYRHCNFSILLEPSECARDIFLLLVIKSQPAHIEQRAAIRSTWGRGGSWARGRQLKLVLLGVAGPVP
 PAQLLAYESWQFDDILQWDAEDFFNLTLKELHVQRWIAAACTQAHFILKGDDDVFIVPNVLEFLEGWD
 PAQDLLVGDVIRLARPNRNTKVKYFIPFSMYRARHYPPYAGGGYVMSQATVVRHLHTAMEEAELFPIDDV
 FVGMCLRKLGVTPIHAGFKTFGIQQPLNRPDCLYRGLLVHRLSPLEMTMWALVTDERLECAARKP

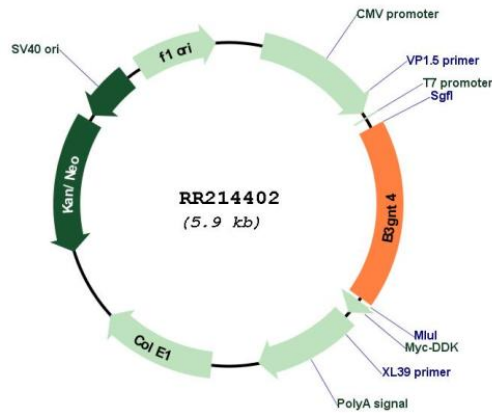
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105938

ORF Size:	1047 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_001105938.1 , NP_001099408.1
RefSeq Size:	1414 bp
RefSeq ORF:	1050 bp
Locus ID:	288752
Cytogenetics:	12q16
MW:	39.8 kDa