

Product datasheet for **RR213637**

B3gnt3 (NM_001106068) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: B3gnt3 (NM_001106068) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: B3gnt3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213637 representing NM_001106068
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGCTGCCGGCTGCGCCCTGTCGTGAGCCTCCTCTGGCCTTGGCCGCTTGCTGCTGCTCCTGA
CCTGCCAGTCACCACCCAGCTGCCCGCCCCGAGAGTCCCACGGAGCCTAAGGATGACCCCGCTGGGC
CCCGACCTCTCCGCGCGCACGCGCCCGTCCGGGCAATCTGTCGGTGTCCGCACACCCCGCTTC
GCGCGTTGCCCTCGCAGTGCAGGACTTCTGCTCTACCGCCACTGCCGCGACTTCGCGGTGCTTCGGG
AGCCGAAGGCGACCAAGTGCAGCGACCCGCGTTCCTGCTGCTCGCTATCAAGTCTCGCCCGGAACTA
CGGGCGCCGACAGGTGCTGCGCACGACGTGGCGCGTGAGAGACGAGTACGCGGGGCGTCTGCGCCG
CTCTTCTCGTGGGCTCAGACCGGATCCCGAGGCGCGAAATCAACCGGCTGCTAGAGCTGGAGG
CAAAGGCATACGGCGACATTCTCCAGTGGGATTCATGACTCCTTCTTAACTGACACTTAAGCAGGT
CCTTTTCTGGAGTGGCAGGAACCCACTGTACCAACGCCAGTTTCGTGCTCAACGGGGACGACGACGTG
TTCGCCATACGGACAACATGGTCACCTACCTGCAGGGCCGCGACCCGGACCAACACCTCTTCGTGGGG
ACCTGATCCAGAACGTGGTCCCATTCGAGTGCCTGGAGCAAGTACTTCATCCCACTCTGGTGACAGC
TGAGGACAAGTACCCGCCCTACTGCGGGCGCGGGGCTTCTGCTGTACGCTTTACCATGGCCGCGCTA
CATCGCGCAGCGCGCTCTCCCATCTTCCCATCGACGACGTGTTCTGGGCATGTGTCTGCAGCAGC
AGGGGTTGGCGCCGGGGCGCATAGCGGAGTGCACGCGGGGTGCTCCCCCTAGCCCGCTGTGTC
ATCCTTCGACCCCTGCTTCTACCGTGACCTGCTCCTGTCACCGCTTCTGCCCTTCGAGATGCTGCTG
ATGTGGGATGCGCTGAGCCGGCTCAGCTCGCTGCGGACGAGAGCCCCCTACTGACAGGTTTGG
GGGTTCGACACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213637 representing NM_001106068
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MRLPRLRPVVSLLLALAALLLLLTQSPSPSCAPESPTEPKDDPAWAPDLSRAHAAPCRANLSVSAHPAF
 ARLPSHVRDFLLYRHCDFAVLREP KATKCAQPAFLLLAIKSSPANYGRRQVLRRTTWARERRVARGASLRR
 LFLVGS DRDPQQARKFNRLLELEAKAYGDILQWDFHDSFFNLTLKQVLFLEWQRTHCTNASFVLNGDDDV
 FAHTDNMVTYLQGRDPDQHLFVGHLIQNVGPIRVPWSKYFIPTLVT AEDKYPPYCGGGGFLLSRF TMAAL
 HRAARVLP I FPIDDVFLGMCLQQQLAPGAHSGVRTAGVLPSPRVSSFDPCFYRDLLL VHRFLPFEMLL
 MWDALSRPQLACGRQSPPLL TGLGGRHP

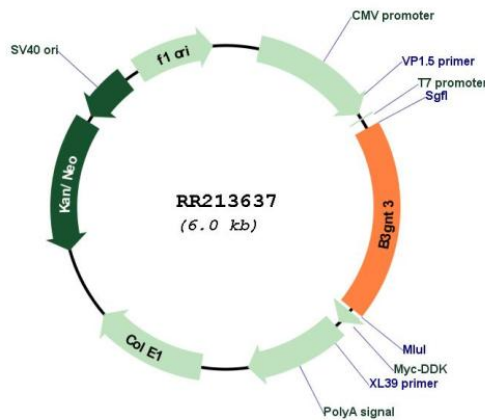
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106068

ORF Size:	1134 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_001106068.1 , NP_001099538.1
RefSeq Size:	2160 bp
RefSeq ORF:	1137 bp
Locus ID:	290638
Cytogenetics:	16p14
MW:	42.5 kDa