

Product datasheet for **MR205305**

B3gntl1 (BC088993) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B3gntl1 (BC088993) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B3gntl1
Synonyms:	6030413G23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205305 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGTCTCCGAGAACGCCACAACGCGCGGCTCGCTGGCCCTAGTGTCTATCATCCTCCCGTGCACA
 ACGCTGAGCAGTGGTTGGATGAGTGCTTGATGTCTGTTTTGCAGCAAGACTTTGAAGGTGCCATGGAGCT
 CTCTGTTTTTAACGATGCCAGCAAGGACAAGTCTAGGGCCATCATTGAAAAATGGAAGGTGAACTGGAA
 GATTCTGGAATCTCTGTAGTCATCGGAGGCCATGACTCTCCTTCTCCAGAGGAGTTGGATATTCTAAAA
 ACCAAGCCGTCGCACAGAGCACAGGGTCTTACCTTTGCTTTTGGATTCAAGAGTGAGGATGCAGTACGA
 AGCTGCCGGTCAGCACCCGACGAGTATCATAGGATGCCAAGTGAGAAGAGATCCCCCGGACTCTACAGAG
 CGATATACACGTTGGATCAACCATTTGACATCTGATCAGCTGCTGACACAGGTGTTACCTCCCACGGCC
 CCACGGTGATCATGCCTACCTGGTTCTGCTCTCGGGCCTGGTTCTCCACGTGGGCCCATTTGATGAAGG
 AGGCCAGGGTGTTCAGAGGATCTGCTGTTCTTCTATGAGCACCTCAGGAAGGGCGGTGGCGTCTCCGG
 GTGGACCACAGCCTGCTACTTACCGATACCACCTGTATGCAGCCACACATTCGGTCTTGAGATGACCA
 TCTGGACGCACCGTGTCCACTTCCTAGAGGAACAAGTCTACCTCACTGGAAGTCCTTCACCATCTGGAA
 TGCAGGCAAGCAGGGGCGTAAGTTATACCGCAGCCTGACTGCAGCCAGCCGGCACAAGGTGGTGGCCTTC
 TGTGACGTTGATGAGAACAAGATCAGGAAGGGCTTCTACTGCTACGAAGACTCACAGGAAAGACCCAAGC
 CAAAGGTCCCCATCTGCATTTCCAAGCTGCCAGTCTCCCTTTGTCATCTGTGTGAAGCTGGACCTCAC
 AGGAGGTGAGTTTGAAGCAACTTGAAGTCGCTGGACTTGCAGGAAGGCCGGGACTTCGTCCATTTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR205305 protein sequence
 Red=Cloning site Green=Tags(s)

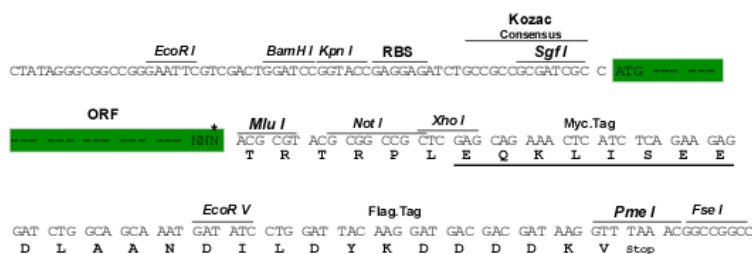
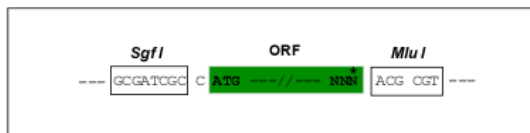
MEVSENATTRGSLALVSIILPVHNAEQWLDECLMSVLQQDFEGAMELSVFNDAASKDKSRAIIIEKWKVKLE
 DSGISVVIGGHDSPSPRGVGYSKNQAVAQSTGSYLCFLDSRVRMQYEAGQHPSTSIIGCQVRRDPPDSTE
 RYTRWINHLTSDQLLTQVFTSHGPTVIMPTWFCRAWFSHVGPFDDEGGQGVPEDLLFFYEHLRKGGGVFA
 VDHSLLLYRHYLYAATHSVLEMTIWTHRVHFLLEEQLVPHWKSFTIWNAGQGRKL YRSLTAASRKHVVF
 CDVDENKIRKGYCYEDSOERP KPKVPVILHFOAAQSPFVICYKLDLTGGFEEDNLKSLDLQEGRDFVHFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC088993

ORF Size: 1050 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC088993](#), [AAH88993](#)

RefSeq Size: 2734 bp

RefSeq ORF: 1052 bp

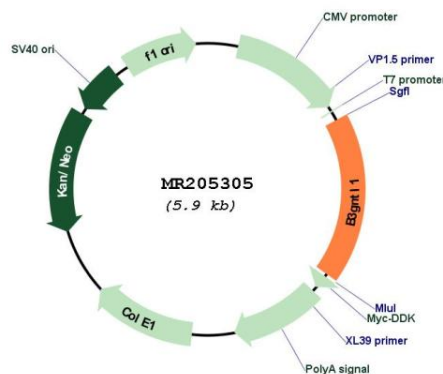
Locus ID: 210004

Cytogenetics: 11 E2

MW: 39.8 kDa

Gene Summary: Putative glycosyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205305