

Product datasheet for **MG203338**

Rnpc3 (BC016603) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnpc3 (BC016603) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnpc3
Synonyms:	2810441O16Rik; AI447568; C030014B17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203338 representing BC016603 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAGATTAATGGAAGTACAAATCTTCAGCCAAAAGACCCAAAACAGAAAAGCCACGCCACGTGA
GAAAAAGCGAAAAATAAGGATATGTTGAATATACCTTCATCAGCTTCACATAGTTTGCATCCTGTGCT
GTTACCTCGGATGTATTTGACCAGCCACAATCTGTAGGTAATAAAAAAATTGAGTTCAATATATCAACC
AACATGCCTGCAGCATTTAACAAAGATTTGGAGACACAACAAAATAATGAAGAAGAAAATCTGATTCAC
CAGACTGGACTTGATTCAAATACAGGATTTGGCAAAATCTTCCCTAACCTAATTTGAACATCACAGA
AGAGATTACAGAAGACTCTGATGAAATACCTTCACAATTTATTTCTAGAAAAGAGTTGGAAAAGGTCGT
ATTTCTAGAGAAGAAATGGAAACTTTTCAGTTTTTAGAAGTTATGAACCTGGTGAACCAAACTGCAGAA
TTTATGTAAGAAATTTAGCTAGACATGTTTCAGGAAAAGGACCTTAAATTTATTTGGAAGATACGTTGA
CTTTTCTCAGAAACACAGCGGATCATGTTTGATTCGCTTAATGAAAGAAGGACGCATGAAAAGGACAA
GCTTTTGTGGACTTCCAATGAAAAGCAGCCGCTAAAGCGTTGAAAGAAGCTAATGGCTATGTTCTTT
TTGAAAACCCATGGTGGTTCAGTTTGTCTGATCTGCTAGACAAAACAGGATTTAAAGAAGGAAAACG
GAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203338 representing BC016603
 Red=Cloning site Green=Tags(s)

MNRLMELANLQPKRPKTEKPRHVRKKRRIKDMNLNIPSSASHSLHPVLLPSDVFDQPQSVGNKKIEFNIST
 NMPAAFNKDLETQPNNEEENS DSPDTGLDSNTGFGKIFPKPNLNITEEITEDSDEIP SQFISRKELEKGR
 ISREEMETLSVFRSYEPGEPNCRIYVKNLARHVQEKDLKFIFGRYVDFSSETQ RIMFDIRLMKEGRMKGQ
 AFVGLPNEKAAAKALKEANGYVLF GKPMVVQFARSARPKQDSKEGKRK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC016603

ORF Size: 776 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: [BC016603](#), [AAH16603](#)

RefSeq Size: 1393 bp

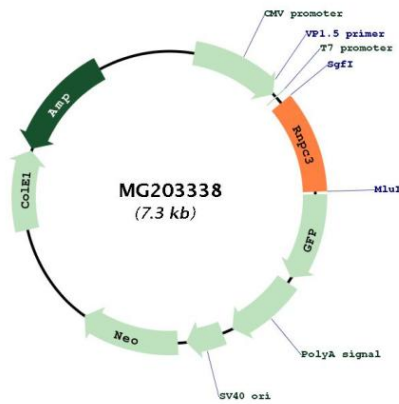
RefSeq ORF: 776 bp

Locus ID: 67225

Cytogenetics: 3 F3

Gene Summary: Participates in pre-mRNA U12-dependent splicing, performed by the minor spliceosome which removes U12-type introns. U12-type introns comprises less than 1% of all non-coding sequences. Binds to the 3'-stem-loop of m(7)G-capped U12 snRNA (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203338