

Product datasheet for **MG203481**

Rps3a (BC083338) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Rps3a (BC083338) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Rps3a |
| Synonyms: | Rps3a |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG203481 representing BC083338 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTCGGCAAGAACAAGCGCCTGACGAAAGGTGGCAAGAAGGGAGCTAAGAAGAAAGTGGTCGATC
CATTTTCTAAGAAAGACTGGTACGATGTGAAAGCTCCAGCCATGTTCAATATTAGGAACATCGGGAAGAC
ACTAGTCACGAGGACTCAAGGAACCAAAATTCCTCTGATGGCCTCAAGGGTCGTGTGTTTGAAGTGAAGC
CTTGCTGATCTACAGAATGATGAAGTTGCGTTTAGAAAAATCAAGCTAATCACTGAGGACGTTCCAGGCA
AAAAGTGTCTGACTAACTCCATGGTATGGATCTTACCCGGGACAAAATGTGCTCCATGGTCAAGAAGTG
GCAGACCATGATCGAAGCTCACGTTGATGTCAAGACGACCGATGGGTATTGCTCCGACTTTTCTGTGTT
GGCTTCACTAAGAAACGCAACAACCCAGATAAGAAAGACATCCTATGCGCAGCACCAGCAAGTCCGCCAGA
TCCGGAAGAAGATGATGGAAATCATGACCCGAGAGGTGCAGACTAATGACTTGAAGGAAGTAGTTAATAA
ACTGATCCAGACAGCATTGGGAAAGACATAGAAAAGGCTTGCCAGTCCATTTATCCTCTCCATGACGTC
TTTGTTAGAAAAGTAAAAATGCTGAAGAAACCAAGTTTGAATTGGGCAAGCTCATGGAGCTGCATGGGG
AAGCGGCAGCTCTGGCAAAGCAGCTGGAGACGAGACGGGTGCTAAGGTTGAGCGAGCTGACGGATATGA
ACCGCCAGTCCAAGAATCAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203481 representing BC083338
Red=Cloning site Green=Tags(s)

MAVGKNKRLTKGGKKGAKKKVVDPFSSKKDWYDVKAPAMFNIRNIGKTLVTRTQGTKIASDGLKGRVFEVS
 LADLQNDEVAFRKFKLI TEDVQGNCLTNFHGMDLTRDKMCSMVKKWQTMIEAHVDVKTDDGYLLRLLFCV
 GFTTKRRNQIRKTSYAQHQQVRQIRKKMMEIMTREVQTNLKEVVKLIPDSIGKIDIEAKQCSIYPLHDV
 FVRKVKMLKKPKFELGKLMELHGEHGGSSGKAAGDETGAKVERADGYEPPVQESV

TRTRPLE - GFP Tag - V

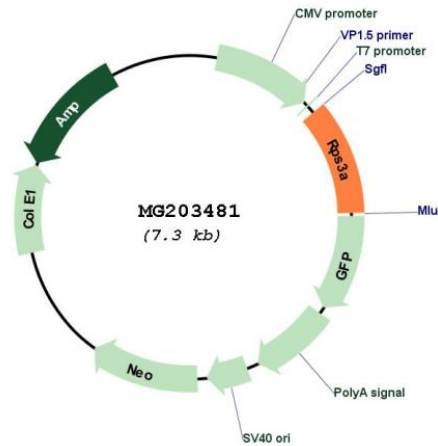
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC083338

ORF Size: 794 bp

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|-------------------------------|---|
| 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: | BC083338 , AAH83338 |
| RefSeq Size: | 861 bp |
| RefSeq ORF: | 794 bp |
| Locus ID: | 20091 |
| Cytogenetics: | 3 F1 |
| Gene Summary: | May play a role during erythropoiesis through regulation of transcription factor DDIT3. [UniProtKB/Swiss-Prot Function] |