

Product datasheet for **MG203587**

Rpa2 (NM_011284) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpa2 (NM_011284) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rpa2
Synonyms:	AA409079; AI325195; AU020965; Rf-A2; RPA34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203587 representing NM_011284 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAATAGCGGATTCGAAAGCTTCAGCAGCTCCACCTATGGCGGAGCAGGCGGCTACACGCAGTCCC
CCGGTGGCTTCGGGTCGCCACACCGTCGCAGGCGGAGAAGAAATCGAGAGTCCGAGCCCAGCATATTGT
GCCCTGTACCATATCCCAGCTGCTTCTGCTACTCTGACTGATGAAGTGTTCAGAATTGGAGATGTCGAG
ATTTACAGGTCACTATTGTCGGGATAATCAGACATGCGGAGAAGGCTCCAACCAACATTGTTTACAAGA
TAGACGATATGACAGCTCCGCCATGGATGTTTCGTCAGTGGGTTGACACGGATGATGCCAGTGGTGAGAA
CGCCGTGGTTCCTCCCGAAACATATGTGAAAGTCGCTGGTCACCTCAGGTCTTCCAGAACAAAAGAGC
TTGGTGGCCTTTAAGATCATTCTCTGGAAGACATGAATGAGTTCACTGCACACATCCTGGAAGTGGTCA
ATTCACACATGATGCTCAGCAAGTCCAACAGCCAGGCCTCTGCAGGGAGACCATCTATGAGCAACCCAGG
AATGAGTGAGCCGGGAACTTCAGCGGGAATAACTTCAAGCAGCAATGGCCTCACTGTGGTCCAAAAC
CAGGTGCTGAATTTGATCAAGGCTTGCCCAAGACCTGAAGGCCTGAACTCCAGGACCTCAGGAGCCAGC
TCCAGCATATGCCTGTACCCTCAATCAAGCAAGCAGTGGATTTCTGTGCAACGAGGGCCACATTTACTC
TACTGTGGACGACGATCACTTTAAGTCTACAGATGCAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203587 representing NM_011284
 Red=Cloning site Green=Tags(s)

MWNSGFESFSSTYGGAGGYTQSPGGFGSPTPSQAEKKS RVRAQHIVPCTISQLLSATLTDEVFRIGDVE
 ISQVTIVGIIIRHAEKAPTNIIVYKIDDMTAPPMDVRQWVDTDDASGENAVVPPETVYKVGHLRSFQNKKS
 LVAFKIIPLEDMNEFTAHILEVNVSHMMLSKSNSQASAGRPSMSNPGMSEPGNFGNNFMPANGLTVVQN
 QVLNLIKACPRPEGLNFQDLRSQLQHMPVPSIKQAVDFLCNEGHIYSTVDDDDHFKSTDAE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011284

ORF Size: 810 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: [NM_011284.2](#)

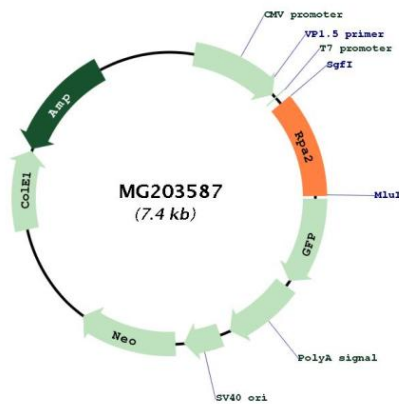
RefSeq Size: 1782 bp

RefSeq ORF: 813 bp

Locus ID: 19891

Cytogenetics: 4 D2.3

Product images:



Circular map for MG203587