

Product datasheet for **MG203626**

Rem2 (NM_080726) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rem2 (NM_080726) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rem2
Synonyms:	AW411893
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203626 representing NM_080726 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGTGCCCTACAAACACCAGCTGCGGCGGGCCCAAGCTGTAGATGAACTTGACTGGCCACCCAGG
 CCTCCCCCTCTGGCTCCTCTGACTCCTTGGGCTCAGGGGAGGCAGCCCTTACCCAAAAGATGGCGTCTT
 TAAGGTCATGCTCGTGGGGGAGAGTGGCGTGGGCAAGAGCACTCTAGCGGGCACTTTTGGAGGTCTCCAG
 GGAGACCATGCTCACGAGATGGAGAACTCAGAGGACACCTATGAGAGACGGATCATGGTGGACAAAGAAG
 AAGTGACTTTAATTGTTTATGACATCTGGGAACAGGGAGATGCAGGAGGATGGCTGCAGGATCACTGCCT
 TCAGACGGGGGATGCCTTTCTCATCGTCTTCTCAGTGACAGATCGACGAAGCTTCTCTAAAGTTCCAGAA
 ACCCTTCTTCGGCTCCGGGCTGGGAGGCCCCACCATGACCTACCTGTATCCTTGTGGAAATAAGAGTG
 ACCTGGCCCGCTCCCGGGAGGTATCACTGGAGGAGGGTCGCCATCTGGCTGGGACGCTGAGCTGCAAGCA
 CATCGAGACGTCGGCCGCTCTCCACCACAACACTCGTGAGCTCTTCGAGGGTGCTGTGCGTCAGATCAGG
 CTGCGGCGGGGCCGGGTATGCCGGGGGCCAGCGACCCGAACCTAGCAGCCGGACGGCCCCGCGCCGC
 CTACGCGCCGTGAGAGCCTACCAAGAAAGCTAAGCGCTTCCTCGCCAACCTGGTGCCGCGCAACGCTAA
 GTTCTTCAAGCAACGCTCCAGGTATGTACGACCTCTCTGTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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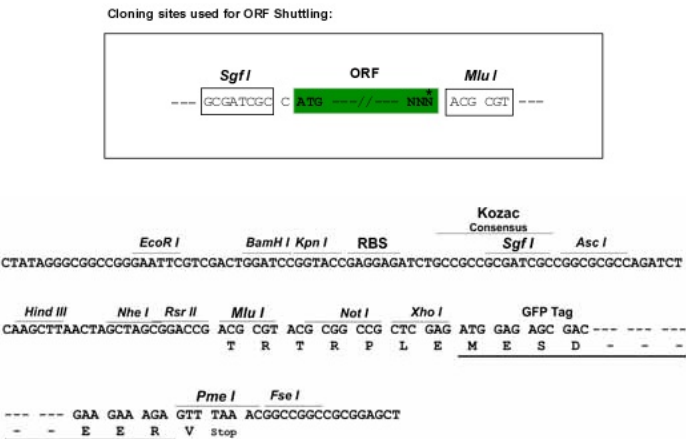
Protein Sequence: >MG203626 representing NM_080726
 Red=Cloning site Green=Tags(s)

MPVPYKHLRRAQAVDELDPWPQASPSGSSDSLGSGEAALTQKDGVFVKMLVGESGVGKSTLAGTFGGLQ
 GDHAHEMENSEDTYERRIMVDKEEVTLIYVDIWEQGDAGGWLQDHCLQTGDAFLIVFSVTDRRSFSKVPE
 TLLRLRAGRPHDLPVILVGNKSDLARSREVSLEEGRHLAGTLSCKHIETSAALHHNTRELFEGAVRQIR
 LRRGRGHAGGQRPEPSPDPAPPTTRRESLTKKAKRFLANLVPRNAKFFKQRSRSCHDLVL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080726

ORF Size: 816 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: [NM_080726.2](#), [NP_542764.1](#)

RefSeq Size: 1888 bp

RefSeq ORF: 1026 bp

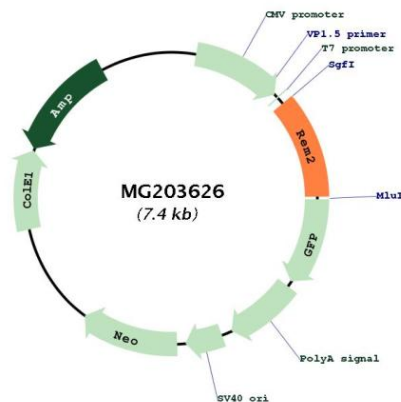
Locus ID: 140743

UniProt ID: [Q8VEL9](#)

Cytogenetics: 14 C2

Gene Summary: Binds GTP saturably and exhibits a low intrinsic rate of GTP hydrolysis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203626