

Product datasheet for MR203626

Rem2 (NM_080726) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rem2 (NM_080726) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rem2
Synonyms:	AW411893
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203626 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCCGTGCCCTACAAACACCAGCTGCGGCGGGCCCAAGCTGTAGATGAACTTGACTGGCCACCCAGG
 CCTCCCCCTCTGGCTCCTCTGACTCCTTGGGCTCAGGGGAGGCAGCCCTTACCCAAAAGATGGCGTCTT
 TAAGGTCATGCTCGTGGGGGAGAGTGGCGTGGGCAAGAGCACTCTAGCGGGCACTTTTGGAGGTCTCCAG
 GGAGACCATGCTCAGAGATGGAGAACTCAGAGGACACCTATGAGAGACGGATCATGGTGGACAAAGAAG
 AAGTGACTTTAATTGTTTATGACATCTGGGAACAGGGAGATGCAGGAGGATGGCTGCAGGATCACTGCCT
 TCAGACGGGGGATGCCTTTCTCATCGTCTTCTCAGTGACAGATCGACGAAGCTTCTCTAAAGTTCCAGAA
 ACCCTTCTTCGGCTCCGGGCTGGGAGGCCCCACCATGACCTACCTGTATCCTTGTGGAAATAAGAGTG
 ACCTGGCCCGCTCCCGGGAGGTATCACTGGAGGAGGGTCGCCATCTGGCTGGGACGCTGAGCTGCAAGCA
 CATCGAGACGTCGGCCGCTCTCCACCACAACACTCGTGAGCTCTTCGAGGGTGCTGTGCGTCAGATCAGG
 CTGCGGCGGGGCCGGGTATGCCGGGGGCCAGCGACCCGAACCTAGCAGCCGGACGGCCCCGCGCCGC
 CTACGCGCCGTGAGAGCCTACCAAGAAAGCTAAGCGCTTCTCGCCAACCTGGTGCCGCGCAACGCTAA
 GTTCTTCAAGCAACGCTCCAGGTATGTACGACCTCTCTGTGCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR203626 protein sequence
 Red=Cloning site Green=Tags(s)

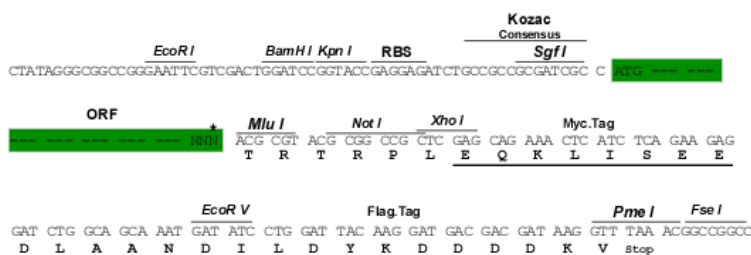
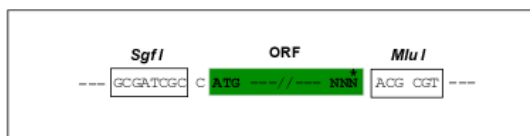
MPVPYKHLRRAQAVDELDWPPQASPSGSSDSLGSGEAALTQKDGVFVKMLVGESGVGKSTLAGTFGGLQ
 GDHAHEMENSEDTYERRIMVDKEEVTLLIVYDIWEQGDAGGWLQDHCLQTGDAFLIVSVTDRRSFVKVPE
 TLLRLRAGRPHHDLPVILVGNKSDLARSREVSLEEGRHLAGTLSCKHITSAAALHHTRELFEGARQIR
 LRRGRGHAGGOREPSPDPGAPPTRRRESLTKKAKRFLANLVP RNAKFFKORSRSCHDLSVL

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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: 1887 bp

RefSeq ORF: 1026 bp

Locus ID: 140743

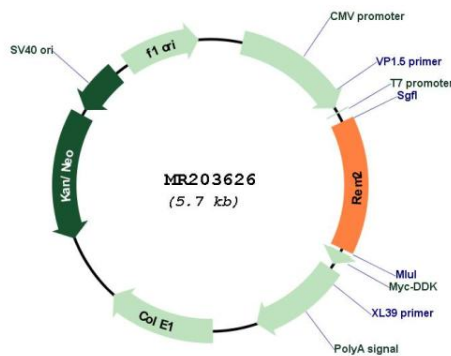
UniProt ID: [Q8VEL9](#)

Cytogenetics: 14 C2

MW: 30.1 kDa

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

Product images:



Circular map for MR203626