

Product datasheet for **RN213854**

Mrs2 (NM_024001) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrs2 (NM_024001) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mrs2
Synonyms:	Mrs2l; Rpt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213854 representing NM_024001
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGTGCCTGCGCTACCTGCCAGGCTACTGCCCCGCGCCGCGCAGTCCCGGAGCGCTCTGTGTATGG
 CGGCGGTGCGCCTGAGCCTCGCTGCCTGCTGTGGCCGCGCGACCCGCTGACCTCCGGGAGCCAGAAGGC
 GCCGAGCACACCCGCACTGCAGGTGATGTGTACCGGTTTGAACCTCTGATGCCTCTCAAGCTACTTTA
 GCCAGCGTGGCCAGGTGTTGCTGTGACAAAGTTTACAAAGAAGGAAACGTTACCTCTTTTGAAGGA
 AGAAAAGTGAAGTATACCATGAGTTAGCACTCCAGGCCAGAGACTTGAGGTTTCAGCACGTAATGAGCAT
 CACTACCAGAAACAGGATCATCATGAGGATGGAGTACTTGAAGGCTGTGATAACTCCAGAGTATCTT
 CTGATACTAGATTATCGGAATTTAACTTGGAGCACTGGCTGTTCCGGGAAGTCCATCACAGCTGGCTG
 GAGAAGGTCAGCTCGTTACGTACCCGTTACCGTTTGAAGTTCAGAGCTATTGAAGCACTCCTGCAGTACTG
 GATCAACACCCCTCAGGGGAACTAAGCATCCTGCAGCCACTGATCCTGGAGACCCTGGATGCATTAGTG
 GACCCCAAGCACTCTTCTGTTGACAGAAGCAAACTGCATGTCCTACTCCAAAACGGCAAAAGTCTCTCTG
 AGTTAGAAACAGACATTAATCTTCAAAGAGTCAATTTGGAGCTCTTGGATGAGGAGGAGATGCTGGA
 AGAACTCTGTTTAACCAAGTGGAGTGACCCGATGTCTTTGAGCAGAGCAGCACTGGGATTGACCACGCA
 GAGGAGATGGAGCTGCTGCTGGAAACTACTACCGACTGGCTGACGACCTCTCCAATGAGGCTCGGGAGC
 TTCGGGTCCTGATTGATGATTACAGAGCATTATCTTCATCAATCTAGATAGCCATCGCAATGTGATGAT
 GAGGTTAAACCTCCAGCTGACCATGGGTACCTTCTCGCTTCTACTCTTTGGACTGATGGGAGTTGCTTTT
 GGCATGAATTTGGAATCTTCCCTTGAAGAGGATCATCGTGTGTTTGGCTGATTACAGGAATTATGTTTA
 TGGGAAGTGGCCTCATCTGGAGGAGTTGCTTTCGTTCTTGGAGACAGCTGGAAGCTCCTTTGCCCCC
 TGTGATGGCCTCCTTGCCTAAAAAGACCCCTCTGGCAGATAGAAGGATGGATGTGAAAAACAGCCTCAGG
 CCGGAAGGACTTGGAGCAGGCAGGACTATCCTCGCAAGCCGAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_024001

Insert Size: 1305 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_024001.1, NP_076491.1

RefSeq Size: 1949 bp
RefSeq ORF: 1305 bp
Locus ID: 79032
UniProt ID: [Q9ET09](#)
Cytogenetics: 17p11
Gene Summary: human homolog is a mitochondrial protein which putatively serves as a magnesium transporter [RGD, Feb 2006]