

Product datasheet for MC216752

Mrs2 (NM_001013389) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrs2 (NM_001013389) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrs2
Synonyms: Gm902; HPT; Mrs2l; RPT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC216752 representing NM_001013389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAATGCCTGCGCTGCCTGCCCGGGCTGCTGCCCGCGCCGCGCAGCCCCGGAGGGCCCTGTGGACGG
 CGGTGCGCGCCCTGAGCCTCGCTGCCTGCGGCGCCGCGCAGCCCTTTGCGCTCCCGGAGCCCGAAAGC
 GTCGAGCACAGCCCGCTGCAGGTGATGTCTCCGGTTAGAACCTCGGATGCCTCTCAAGCCACTTTA
 GCCAGCGTGGCCAGGTGTTGCTGTGACAAAGTTTGACAAAGAAGGAAACGTTACCTCTTTGAGAGGA
 AGAAAAGTGAACATACCATGAGTTAGCACTCCAGGCCAGAGACTTGAGGTTTCAGCACGTGATGAGCAT
 CACTACTAGAAAACAACAGGATCATCATGAGGATGGAGTATTTGAAGGCTGTGATAACTCCAGAGTGTCTT
 CTGATACTAGATTATCGGAATTTAAATTTGAGGACTGGCTGTTTCGGGAACTGCCCTCACAGCTGGCTG
 GAGAAGGTCAGCTGGTCACCTACCCATTACCATTTGAGTTCAGAGCTATTGAAGCACTCTGCAGTACTG
 GATCAGCACCCCTCGGGGAGACTAAGCGTCTGCAGCCACTGATCCTCGAGACCCTGGATGCTCTAGTG
 GACCCCAAGCACTCGTCTGTGGACAGAAGCAAGCTGCATGTCTACTCCAAAACGGCAAAAGTCTCTCTG
 AGTTAGAAAACAGACATTAATAATTTCAAAGAGTCGATTTTGGAGCTCTTGATGAGGAGGAGATCGTGGA
 AGAACTCTGTCTGACCAAGTGGAGCGACCCACATGTCTTTGAGAAGAGCAGCACTGGGATCGACCACGCA
 GAGGAGATGGAGCTGCTGCTGGAGAACTACTACCGCTTAGCAGAGGACCTCTCCAACGAGGCGCGGAGC
 TTCGGGCTCTGATTGACGATTTCGAGAGCATTATCTTCATCAACCTAGACAGCCATCGAAATGTGATGAT
 GAGGTTAAATCTCCAGCTGACCATGGGAACCTTCCCTTTCACTCTTTGGTCTGATGGGAGTTGCTTTT
 GGCATGAATTTGGAATCTCCCTGAAGAGGACCATCGCGTGTGTTGGCTGGTTACGGGGATTATGTTTA
 TGGGAAGTGGTCTCATCTGGAGGAGTTGCTCTCATTCTTGAAGACAGCTGGAAGCTCCTGTGCCCC
 TGTGATGACCTCCTTACCTAAAAAGACCCTTCTGGCCAATAGAAGGATGGACGTGAAAAACAGCCTCAGG
 CCGGAAGGACTTGAGCAAGCAGGACTATCCTGGCAAGCCGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001013389
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:	<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:	<u>NM_001013389.2</u> , <u>NP_001013407.2</u>
RefSeq Size:	2161 bp
RefSeq ORF:	1305 bp
Locus ID:	380836
UniProt ID:	<u>Q5NCE8</u>
Cytogenetics:	13 A3.1
Gene Summary:	Magnesium transporter that mediates the influx of magnesium into the mitochondrial matrix. Required for normal expression of the mitochondrial respiratory complex I subunits. [UniProtKB/Swiss-Prot Function]