

Product datasheet for **MC226317**

Msra (NM_001253714) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Msra (NM_001253714) Mouse Untagged Clone
Tag: Tag Free
Symbol: Msra
Synonyms: 2310045J23Rik; 6530413P12Rik; MSR-A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226317 representing NM_001253714
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTCTCCGCCTCTAGAAGGGCTCTCCAGCTCCTCTCTAGCGCCAACCCGGTACGGAGGATGGGCGACT
 CAGCTTCGAAAGTCATCTCCGCAGAGGAAGCCTTGCCGGGACGCACCGAGCCGATCCCTGTAACAGGAAT
 GGGCTGCTTCTGGGGAGCTGAGCGCAAGTCTGGGTCTTGAAAGGAGTGTACTCAACCAAGTGGGCTTT
 GCAGGAGGCCACACGCAATCCCACTACAAAGAGGTCTGCTCAGAAAAACTGGCCACGCCGAAGTCG
 TCCGGGTGTGTACCGGCCAGAGCACATCAGCTTTGAGGAACTGCTCAAGGTCTTCTGGGAGAATCACGA
 CCCGACCAAGGCATGCGCCAAGGCAATGACTTTGGTACACAGTACCGGTACGAGTCTATCCCACATCC
 GCCGTGCAGATGGAAGCAGCCCTGAGATCCAAGGAAGAAATACCAAAAGGTTCTTTCAAAGCATAACTTTG
 GCCCATCACCACCGACATCCGAGAGGGACAAGTGTCTACTATGCCGAAGACTACCACCAGCAATACCT
 GAGCAAGAACCCAGACGGCTACTGTGGCCTCGGGGTACTGGAGTTTCTGCCGATGGCCATTA
TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001253714
Insert Size: 633 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001253714.1</u> , <u>NP_001240643.1</u>
RefSeq Size:	1398 bp
RefSeq ORF:	633 bp
Locus ID:	110265
UniProt ID:	<u>Q9D6Y7</u>
Cytogenetics:	14 33.36 cM
Gene Summary:	<p>Has an important function as a repair enzyme for proteins that have been inactivated by oxidation. Catalyzes the reversible oxidation-reduction of methionine sulfoxide in proteins to methionine (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an in-frame coding exon and encodes a shorter isoform (2), compared to variant 1.</p>