

## Product datasheet for **MC226204**

### Msra (NM\_001253715) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Msra (NM\_001253715) 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:** >MC226204 representing NM\_001253715  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTCTCCGCCTCTAGAAGGGCTCTCCAGCTCCTCTCTAGCGCCAACCCGGTACGGAGGATGGGCGACT  
CAGTTTCGAAAGTCATCTCCGCAGAGGAAGCCTTGCCGGGACGCACCGAGCCGATCCCTGTAACAGCCAA  
ACACCATGTCAGTGGCAACAGAACGGTTGAACCTTCCAGAGGGAACACAGATGGCTGTATTTGAAAAA  
ACTGGCCACGCCAAGTCGTCCGGTTGTGTACCGGCCAGAGCACATCAGCTTTGAGGAAGTGTCAAGG  
TCTTCTGGGAGAATCACGACCCGACCAAGGCATGCGCCAAGGCAATGACTTTGGTACACAGTACCGGTC  
AGCAGTCTATCCACATCCGCCGTGAGATGGAAGCAGCCCTGAGATCCAAGGAAGAATACCAAAAGGTT  
CTTTCAAAGCATAACTTTGGCCCATCACCACCGACATCCGAGAGGGACAAGTGTCTACTATGCCGAAG  
ACTACCACCGCAATACCTGAGCAAGAACCCAGACGGCTACTGTGGCCTCGGGGGTACTGGAGTTTCCTG  
CCCGATGGCCATTAATAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001253715  
**Insert Size:** 582 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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001253715.1</a></u> , <u><a href="#">NP_001240644.1</a></u>
<b>RefSeq Size:</b>	1331 bp
<b>RefSeq ORF:</b>	582 bp
<b>Locus ID:</b>	110265
<b>UniProt ID:</b>	<u><a href="#">Q9D6Y7</a></u>
<b>Cytogenetics:</b>	14 33.36 cM
<b>Gene Summary:</b>	<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 (4) lacks an in-frame coding exon and encodes a shorter isoform (3), compared to variant 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>