

## Product datasheet for MR201871

### Msra (BC014738) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Msra (BC014738) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Msra  
**Synonyms:** 6530413P12Rik, MSR-A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201871 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTCTCCGCCTCTAGAAGGGCTCTCCAGCTCCTCTCTAGCGCCAACCCGGTACGGAGGATGGGCGACT  
 CAGCTTCGAAAGTCATCTCCGAGAGGAAGCCTTGCCGGGACGCACCGAGCCGATCCCTGTAACAGCCAA  
 ACACCATGTCAGTGGCAACAGAACGGTTGAACCTTTCCAGAGGGAACACAGATGGCTGTATTTGAAAAA  
 ACTGGCCACGCCAAGTCGTCCGGTGTGTACCGCCAGAGCACATCAGCTTTGAGGAAGTCTCAAGG  
 TCTTCTGGGAGAATCACGACCCGACCAAGGCATGCGCCAAGGCAATGACTTTGGTACACAGTACCGGTC  
 AGCAGTCTATCCACATCCGCCGTGCAGATGGAAGCAGCCCTGAGATCCAAGGAAGAATACCAAAAGGTT  
 CTTTCAAAGCATAACTTTGGCCCATCACACCGACATCCGAGAGGGACAAGTGTCTACTATGCCGAAG  
 ACTACCACGCAATACCTGAGCAAGAACCAGACGGCTACTGTGGCCTCGGGGTACTGGAGTTTCCTG  
 CCCGATGGCCATTAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201871 protein sequence  
 Red=Cloning site Green=Tags(s)

MLSASRRALQLLSSANPVRRMGDSASKVISAEALPGRTEIPVTAKHHVSGNRTVEPFPEGTQMAVFEK  
 TGHAEVVRVVYRPEHISFEELLKVFWENHDPTQGMREQNDFGTQYRSAYVPTSAVQMEALRSKEEYQKV  
 LSKHNFPIITTDIREQVFYAYEDYHQYL.SKNPDGYCGLGGTGVSCPMAIKK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC014738

**ORF Size:** 579 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.

**RefSeq:** [BC014738](#), [AAH14738](#)

**RefSeq Size:** 1300 bp

**RefSeq ORF:** 581 bp

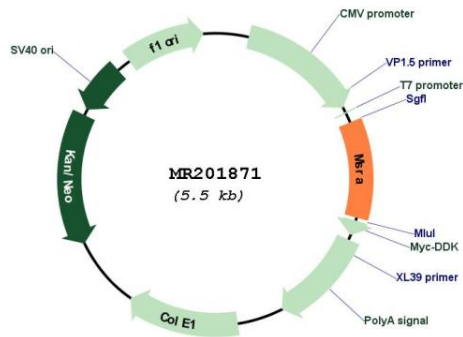
**Locus ID:** 110265

**Cytogenetics:** 14 33.36 cM

MW: 21.6 kDa

Gene Summary: 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]

### Product images:



Circular map for MR201871