

## Product datasheet for MR228191

### Mrps23 (NM\_001291272) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mrps23 (NM\_001291272) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mrps23  
**Synonyms:** D11Bwg1153e; MRP-S23; Rpms23; S23mt  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228191 representing NM\_001291272  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGCGGGCCGGGTGTTGAAAGAGAAGCCACTGTGGTATGACATATATAAGGCCTTCCACCCCTGAGAG  
AGCCTGTCTTCCGAAGGCCCGCTTGCGATACGGCAAAGCCAAAGCTGACATCCAGGACATCTTTACCA  
GGAGGATCAGATTCGAGCGAAATCTTTGCAACCTATGGATCTGGTCAGAAAGCTTTGATCTCTTCAAC  
CCAACTTCAAGTCTACCTGTCAGCGGTTTGTGGAGAAGTACACAGAGCTTCAGAATCTTGAGAAACAG  
ATGAAGAGAAGTTATTTGTAGAAACGGGAAGGCTCTGTTGGCAGAAGGCATCATTTTAAGAAGAGTTTCG  
AGAAGCAAGGACTGTGAGCGTGAGACTCCAAGCTTCATCAGAAGGACATGAGCCTCAGGAAGACGATGAC  
CTGGCGCAGCGGGGCAGGTGAAGCAGGAGCCAGAAACAGCCCCGTCCTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228191 representing NM\_001291272  
Red=Cloning site Green=Tags(s)

MRAGVLKEKPLWYDIYKAFPLREPVFRRPRLRYGKAKADIQDIFYQEDQIRAKFFATYSGSQKAFDLFN  
 PNFKSTCQRFVEKYTELQNLGETDEEKL FVETGKALLAEGIILRRVREARTVSVRLQASSEGHEPQEDDD  
 LAQRGQVKQEPETAPSP

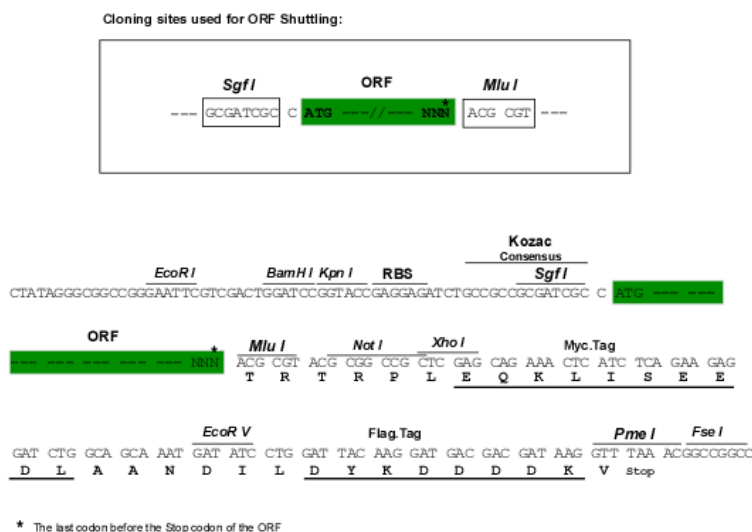
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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### Cloning Scheme:



ACCN: NM\_001291272

ORF Size: 474 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_001291272.1](#), [NP\\_001278201.1](#)

RefSeq Size: 1443 bp

RefSeq ORF: 477 bp

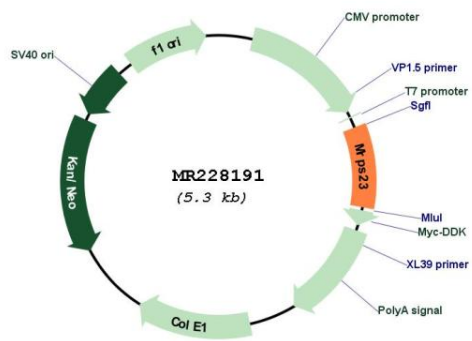
Locus ID: 64656

UniProt ID: Q8VE22

Cytogenetics: 11 52.4 cM

MW: 18.7 kDa

### Product images:



Circular map for MR228191