

## Product datasheet for **MR200323**

### Mrps36 (NM\_025369) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mrps36 (NM\_025369) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mrps36  
**Synonyms:** 1110018B13Rik; S36mt  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200323 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAGCAAGATGGCTTCCGCCACCAGGGTCGTGCAGGTAGTGAAGCCACACGCTCCATTAATAAAGT  
TCCCTAACAGAAGAGACAAACCTAAACTCAGTGCCTCAGAAGCTTTGGGGTCTGCAGCGCTCCCCTCCA  
CTCCTCTGCAATTCACAGCATTCTAAAGGAAGTACGTCCCCGATTTACTGATGCACCAGGGGCCACCA  
GACTGCAGAAATTATAAAATCATTACCTCAGAAATACAGAAGGAAACCTATGTCTCAAGAGGAAATGG  
AATTTATCCAGCGTGGGGTCCAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200323 protein sequence  
Red=Cloning site Green=Tags(s)  
MGSKMASATRVVQVVKPHAPLIKFPNRRDKPKLSASEALGSAALPSHSSAISQHSKGSTSPDLLMHQPPP  
DTAEIIKSLPQYRRKPMSEQEEMEFIQRGGPE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_025369

**ORF Size:** 309 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.

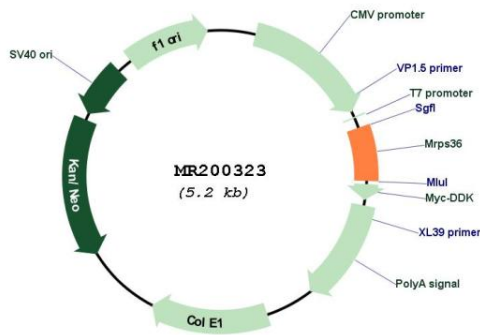
**RefSeq:** [NM\\_025369.3](#)

**RefSeq Size:** 716 bp

**RefSeq ORF:** 309 bp

**Locus ID:** 66128  
**UniProt ID:** [Q9CQX8](#)  
**Cytogenetics:** 13 D1  
**MW:** 11.1 kDa  
**Gene Summary:** May be necessary to recruit DLD/E3 to the mitochondrial 2-oxoglutarate dehydrogenase complex (OGDC) core composed of OGDH/E1-DLST/E2, hence stabilizes the complex. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR200323