

Product datasheet for MG200323

Mrps36 (NM_025369) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Mrps36 (NM_025369) Mouse Tagged ORF Clone

Tag: TurboGFP Symbol: Mrps36

Synonyms: 1110018B13Rik; S36mt

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200323 representing NM_025369

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGCAGCAAGATGGCTTCCGCCACCAGGGTCGTGCAGGTAGTGAAGCCACACGCTCCATTAATAAAGT TCCCTAACAGAAGAAGACAAACCTAAACTCAGTGCCTCAGAAGCTTTGGGGTCTGCAGCGCTCCCCCACCTCCCACCTCTCTGCAATTTCACAGCATTCTAAAGGAAGTACGTCCCCCGATTTACTGATGCACCAGGGGCCACCAGACACTGCAGAAATTATAAAATCATTACCTCAGAAATACAGAAGGAAACCTATGTCTCAAGAGGAAATGG

AATTTATCCAGCGTGGGGGTCCAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200323 representing NM_025369

Red=Cloning site Green=Tags(s)

MGSKMASATRVVQVVKPHAPLIKFPNRRDKPKLSASEALGSAALPSHSSAISQHSKGSTSPDLLMHQGPP

DTAEIIKSLPQKYRRKPMSQEEMEFIQRGGPE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



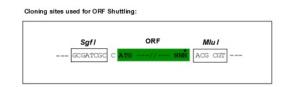
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

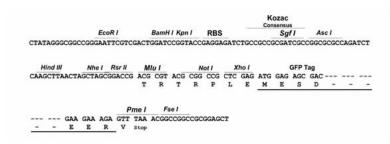
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

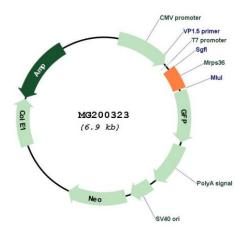


Cloning Scheme:





Plasmid Map:



ACCN: NM_025369

ORF Size: 306 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

Mrps36 (NM_025369) Mouse Tagged ORF Clone - MG200323

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: <u>NM 025369.3</u>

RefSeq Size: 672 bp
RefSeq ORF: 309 bp
Locus ID: 66128
UniProt ID: Q9CQX8
Cytogenetics: 13 D1

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]