

Product datasheet for **RR206231**

Mrps10 (NM_001008859) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps10 (NM_001008859) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrps10
Synonyms: Ac1179
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR206231 representing NM_001008859
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGCGCGCGCAGCGTGTGTGGCTGTCTGCCGGCGCCTGCAGCAGATAACCACTTCTGATGAGCCAG
ACACGTTGTACAAACGCCTGTCCATTTAGTGAAAGCCCATGACAAGGCTGTATTAGACAGTTATGAGTA
TTTTGCCGTGCTCGCTGCTAAAGAACTTGGCCTTTCTATTAAAGTACACGAGCCACCCAGGAAAATAGAG
CGCTTCACTCTCCTCAAGTCAGTGCACATCTTCAAGAAGCACAGAGTCCAGTATGAGATGAGGACGCTCT
ACAGATGTCTGGAGTTAAACATTTGACCGGATGCACAGCCAATGTCTACCTGGAATACATCCAGCGAAA
CCTACCTGAAGGGGTGGCCATGGAAGTGACAAAGACACAGATACAGCAGTTGCCAGAGCACATCAAGGAG
CCAATGTGGGAAACAGTTTCCGGGGAGAAAGAAGAAACCAATCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

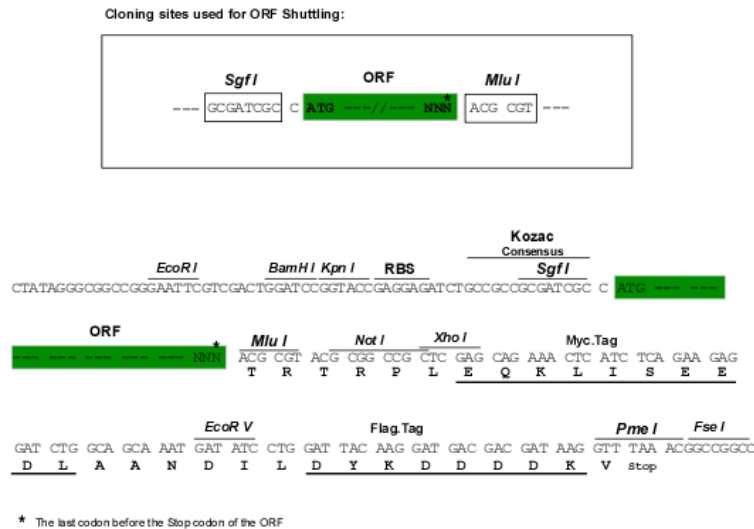
Protein Sequence: >RR206231 representing NM_001008859
Red=Cloning site Green=Tags(s)

MAARAACVAVCRRLQQITTSDEPDTLYKRLSILVKAHDKAVLDSYEYFAVLA AKELGLSIKVHEPPRKIE
 RFTLLKSVHIFKKHRVQYEMRTL YRCLEL KHLTGCTANVLEYIQRNLPEGVAMEVTKTQIQQLPEHIKE
 PMWETVSKEETKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_001008859

ORF Size: 465 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_001008859.1](#), [NP_001008859.1](#)

RefSeq Size: 514 bp

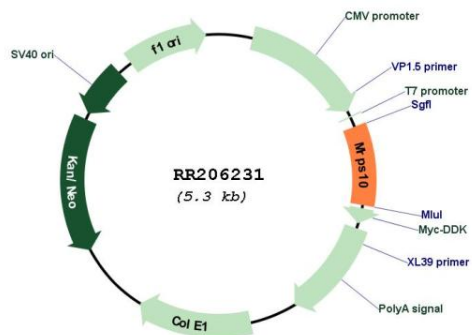
RefSeq ORF: 468 bp

Locus ID: 363187

UniProt ID: [Q7TQ82](#)

Cytogenetics: 9q12
MW: 18 kDa

Product images:



Circular map for RR206231