

Product datasheet for **MC201793**

Mrps34 (NM_023260) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps34 (NM_023260) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrps34
Synonyms: 0610007F04Rik; 5330430D13Rik; AV001970; Tce2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024336 sequence for NM_023260
 CACTGACATGGCGCGGAAGAAAGTAAGACCCCGGCTGATCGCTGAGCTGGCTCGCCGCTGCGCGCCTTG
 CGCGAGCAGCGGAACAGCCGCGAGATTCTCAGCTCTACGCCCTAGACTACGAGACGCTGACCCGGCCGC
 ACTCCGGTCGCCGGCTGCCGGTACGCGCCTGGGCCGACGTGCGTGCAGAGAGCCGCTCCTACAGCTGCT
 CGCCCGCCTCCCCTTGTTTCGGCCTGGGCGTCTGGTTACCCGCAAGTCCTGGCTGTGGCAGCACGACGAG
 CCATGCTACTGGCGCCTCACGCGTGTGAGGCCGACTACACGGCGCAGAATTGGACCACGGGAGGGCCT
 GGGGCATCCTGACTTTCAAAGGGAAGAGTGAGGATACGGCTCGGGAAATCGAGCAAGTCATGTACCACGA
 TTGGCGTTTGGTACCCAAGCAGCAGGAGGAGGCCCTTCACTGCGTTCACTGCGAAACCAGAGGACAGATTG
 AATTCTGTCCCCTATCCACCTCTGCTGCGAGCCATGATCCTCGTGAACGGCAGAAAAACGGGGATACCA
 GCGTGCAGGAGCCGCTCCTGAACCTGGAGAGGACTCGAATGCCGCCCTGGGACTACCTGCAAAAACAGGA
 GACGAAAGGGAGGCCAAGGGCACCCAGTCTAACTGCCAGGACTGGCAGAGAGGTCCTGTGAGTCATTT
 GATGGACGAGTGCCCTTGTACTGTGCTAGATCTTCACTTCGGTGGCGAGTTATATCCTACAGCCCTGACAC
 ATCAGGCAATGAATAATGGGCGAGATGACAGGCTGCTTGGTGTCATTTTCAGGCGGGCCCTCTCTGATT
 CCTCGGCTGGAATAAACGCCAGGAAACAGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_023260

Insert Size: 657 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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: [BC024336](#), [AAH24336](#)

RefSeq Size: 903 bp

RefSeq ORF: 657 bp

Locus ID: 79044

UniProt ID: [Q9JIK9](#)

Cytogenetics: 17 A3.3

Gene Summary: Required for mitochondrial translation, plays a role in maintaining the stability of the small ribosomal subunit and the 12S rRNA that are required for mitoribosome formation.
[UniProtKB/Swiss-Prot Function]