

## Product datasheet for **MC204826**

### Mrps2 (NM\_080452) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mrps2 (NM_080452) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrps2
Synonyms:	1500019M10Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC060503  
 CGCGCCCGCCATGGCGCCGCTCCGGCCGTGCTGACCCGGCTGCTGTGTGCAGGTGTGCGGCGCTGGCCA  
 GGTTCCTGCAGAAGGCGATCCCGGGCCCTGCGGAGCAGAATGGTAGGAAGTACACGGGAGCCCCGGTCC  
 CCGCAGTCAGCGAGCCCCAGGATGGCGACGATTTCCAGAGCAGGATCCTAGATACGCCATTACAGCATT  
 GGATTTCTTCAATGTCAAGGAGCTGTTTTCTGTGAAGAGCCTCTTCGAGGCCGAGTACACCTGGGACAT  
 AAAGCTGGTTGCCGCCATAGTTTTATGGAGCCGTACATCTTTGGAAACCCTGGGCCAAGATATCATCG  
 ATCTGGATCAGACAGCCTTGAATCTCCAAGTGGCTTTGAACTTACCCGCGCACGTGGCCTACCGCAAGGG  
 CATCATTCTGTTTGTGAGCCGGAATCGTCAGTTCTCTCACTTAATTGAGACTACAGCCAGGCCTGTGGG  
 GAGTACGCCACACCCGCTACTTCAAGGTGGCTTGTGACTAACGCACAACCTCTCTTTGGCCTTCAG  
 TCCGCTACCAGACCTCATCATCTTTCTGCACACTCAACAATGTCTTTGAACCCCATGTGGCTGTGAG  
 GGATGCAGCCAAGATGAACATCCCCACAGTGGCATTGTGGACCAACTGCAACCCATGCCTCATCACT  
 TACCCTATCCCTGGCAACGACGACTCGCCCAAGCTATCCAGCTCTTCTGCAAGCTCTTCCGGACAACCA  
 TCAACAGGGCCAAGGAGAAGAGGAGGCAGATGGAGCCCTGCATCGGCTGCAGAGTCCCAAGGGTCCGA  
 GGGCAGTGGGACATCTCCTGTGCCTGATAAGAGCCATTCCCATAACAGAAAGCCCTTCTCCCACTAG  
 ATAGCCAGCCCTCTTCTGAGCAGGAAGTCTTGTCCAACCTGGTCTGTGTCCCCTCCCTGTCTCA  
 GCATCAGCACCACAGTCTATTTCTTAGATATGGCCACCCCAAAGTCCAATGATCTTGAGTAACCCCT  
 ATCTGTCTCTTTCTGGGAACAACTCAGTAAAGTACCTAGTCACATGGCCTCTGGCATCCATTAAAGAC  
 TTGAACATAGCTAGCCAAGTTTCCGCTTTTTCAGTTAAATTAATCCTCCATTGTCTGCTAATTAATCCTT  
 CATTCTCTGAAGAAAATCCAAGCAAAACCAACTGATGTCCCTCAGGACCCCAAGTAGTTGCCTCTAG  
 ACCTGTAACCAGGCTAAGCAGGCTCCCAGAGGGAAGATAGGAAGTATAGTCCATGCATTGTGCTGCACTA  
 CTAAGAACTTAATGAGTTTGTAAATTCATTCAAGCAGAAGTCTGGGGAATATATGTGGGAATGGATTTT  
 AAAGTTTGGGGTAATGGAAAGAACATAAACTGAATCAGGCTGAGTTTTATGGATATGGCTTCTCTGG  
 AGCTCTTATGTTAATATGGAAGCTCGCACAGTGAAAAAGGTGTCAAAAGTTTGTCCATGTTTGGCTG  
 AAGTATTTTTTAAAGAACCTACTGATGGGAGCACAAAAGTCTTGAGCCACAGATACCAAGGAACCC  
 AGGAATGTTAATCACATAGGTTGACTCCCAAAGGAATCCATACCTGTTTCCACCCAGAGGACT  
 GGGCGTGGATGTTGTTAATGACCTGGTACCTTTGCTATTTGTAGAGCCAGACCTCACCAAATGCCCC  
 TAAATGTTTGTCTGGACTCTTCTTCTAGACCTTTATTTTTAACTTAGTTTCTCCACCAATAAAATCC  
 ATGCTTAGGGGAGATGTCACAAGATTTTATAACCTGCTGACCTTACATTATCTTGGTCAGAGACCATA  
 CCAGATCTAGGCCCTTAAGCTATAGGACCCATCTTTGTGGTGGGTACTTTGAGCTGAGTTTCAATGT  
 AATTATGCCTCTTATACCCGGGATTGTATTACATCAGGAACTTTCCAGAATTGACTATTTTAATATA  
 TGTTTACAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_080452

**Insert Size:** 876 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).

**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:** [BC060503](#), [AAH60503](#)

**RefSeq Size:** 2076 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 118451

**UniProt ID:** [Q924T2](#)

**Cytogenetics:** 2 A3

**Gene Summary:** Required for mitoribosome formation and stability, and mitochondrial translation.  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1).