

## Product datasheet for **MC219304**

### 1110008L16Rik (NM\_025373) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1110008L16Rik (NM_025373) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	1110008L16Rik
Synonyms:	Kiaa0391; mKIAA0391; Mrpp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219304 representing NM\_025373  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCTTCTATTGTCTGGTTTTCGGAGCATCCCGAACTTTGGAAGAGCAACCCTTACTTTGAGCTAG  
 GCCTGCGACCTTCTACCCCTTCTTTCTGTGCCATCGGGAACCAACAAAGATGGTTTTCTGTTAA  
 ACCTACTACCCCTCCAAATAGCAAAGCACTCAATCTACTGGATACCAAAGCTAGGACACACAGGAAAGGG  
 AATGACAACAATGGGAGGTTTCTTCTGATCCTCATTACTTCGCTGCTGGAGCAGCTAAGAAGAGGTCCC  
 ACATAGGTGCTAACCCCTCAGAATCAAGGTCATGCCTTGCCCGTGAGAAGCTCTGTCCAACCTCCAACATA  
 ACCTTTGAATTCCGCAGAGTGGGATAAACTTAAGAAGATTTCAAAGGAAAGGCCAGTTTGAAGACTTC  
 ATCATTTACAGATGGCACGCACTGTTGTTCAAGTAGTGGCCAAGTCTCTCTGGCTGGGTAGCAG  
 CAAAGAACAATGGCATCGTGGGCTATAATCTACTCGTCAAGTATTTATATCTCTGTGCTTTTCATAAGCA  
 GACGTCAGAAGTTATTGATGTCTATGAAATCATGAAAGCCAAGTACAAGAGTTTAGAATCTGGGGTTAT  
 ACCCTTCTCATCCGGGATTGATCCACTCAGACAGATGGAGAGAGTCCTTGTGCTGTAGAAAGACATTA  
 AAAAAAGTCATGGTCCCTTCCAAAAAGAACTATGGTGACTGTATACAAGGAGCCCTCCTTCATCAAGATGT  
 GAACACAGCTTGGAAATTTGTATCAGGAATTGATAGGTCATAATCTCATCCCTCCGTTGGAACCTCTAAAA  
 GCCTTCTTTGATTATGGCAAAGACATAAATGATGATCACTATTACAGACAACTCCTGGACATACTTTTGT  
 ATCTAAGGAATAATCAGCTGTATCCTGGAGAGTCATTTGCACACAGTATAAAAACGTGGTTTGAAGAT  
 CCCTGGAAGACAATGGAAAGGACAGTTCACCACAATTAGAAAAGTGGCCAGTGCCTCAGGCTGTGGCAGA  
 ACTATAGAGCCTATTCATCTGAGTCCAGAAGAGTATGAGTTTCTGAAGGAAAAATCATGAGGGATGTGA  
 TAGATGGCGCGGACCAGTATAAGAAGACGACACCTCAGGAAGTGAAGAGATTCGAGAGCTTTGTGAATC  
 CTGTCCTCCTTTTGGATATCGTTATTGATGGCCTCAATGTTGCAAAAATGTTTCTAAGGGTCGTGAATCT  
 CAAAATCTCCTGGGTGTGGTTTCTCAGCTAGCCAGCAGAATCTACAGTTGCTGGTCTAGGCCGGAAGC  
 ACATGCTGAGACCCAGTCCCAGTGGAGAAAGGAGAGATGGAGCAGGTGCGAAAGCAAGCCACTGTTT  
 CTTTGCTGATAACATCTCAGAGGATGATCCTTTCTTCTGTACGCCACACTGAACTCAGGCAATCACTGC  
 AAGTTTATACCAAAGACCTGTTGCGGGACCACAAGGCCGCTGCCGGATGCCCGGACTCAGCGCCTGT  
 TCTTTAAGTGGCAGCAGGGACATCAGCTGGCAATCATGAAAGGGTTTCAAAAATCAAACCTAATTTCCA  
 GCATATCCTCAGCTATGACACAGTGGTACAAGGACTGGAGACTCCTGGCACATTCCTTATGATGAAGAC  
 CTGGTGCAGAGATCCTCCTGTGAAGTGCCAACCAATGGCTGTGCCTCCAGAGAAAGACACCCGACCCCT  
**GCTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_025373

**Insert Size:** 1755 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:** [NM\\_025373.1](#), [NP\\_079649.1](#)

**RefSeq Size:** 3117 bp

**RefSeq ORF:** 1755 bp

**Locus ID:** 66132

**UniProt ID:** [Q8JZY4](#)

**Cytogenetics:** 12 C1

**Gene Summary:** Catalytic ribonuclease component of mitochondrial ribonuclease P, a complex composed of TRMT10C/MRPP1, HSD17B10/MRPP2 and MRPP3, which cleaves tRNA molecules in their 5'-ends. The presence of TRMT10C/MRPP1, HSD17B10/MRPP2 is required to catalyze tRNA molecules in their 5'-ends.[UniProtKB/Swiss-Prot Function]