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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219304 representing NM_025373
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCTTCTATTTGTCTGGTTTTCGGAGCATCCCGAAACTTTGGAAGAGCAACCCTTACTTTGAGCTAG
GCCCTGCGACCTCTTCTACCCCCTTCTTTCTCTGTGCCATCGGGAACCAACAAAGATGGTTTTCTGTTAA
ACCTACTACCCCTCCAAATAGCAAAGCACTCAATCTACTGGATACCAAAGCTAGGACACACAGGAAAGGG
AATGACAACAATGGGCAGGTTTCTTCTGATCCTCATTACTTCGCTGCTGGAGCAGCTAAGAAGAGGTCCC
ACATAGGTGCTAACCCTCAGAATCAAGGTCATGCCTTGCCCGTGAGAAGCTCTGTCCAACTTCCAACTAA
ACCTTTGAATTCCGCAGAGTGGGATAAACTTAAAGAAGATTTCAAAGGAAAGGCCAGTTTTGAAGACTTC
ATCATTTCACAGATGGCACGCAACTGTTGTTCAGTAGATGTGGCCAAGTCTCTCCTGGCTTGGGTAGCAG
CAAAGAACAATGGCATCGTGGGCTATAATCTACTCGTCAAGTATTTATATCTCTGTGTCTTTCATAAGCA
GACGTCAGAAGTTATTGATGTCTATGAAATCATGAAAGCCAAGTACAAGAGTTTAGAATCTGGGGGTTAT
ACCCTTCTCATCCGGGGATTGATCCACTCAGACAGATGGAGAGAGTCCTTGTTGCTGTTAGAAGACATTA
AAAAAGTCATGGTCCCTTCCAAAAAGAACTATGGTGACTGTATACAAGGAGCCCTCCTTCATCAAGATGT
GAACACAGCTTGGAATTTGTATCAGGAATTGATAGGTCATAATCTCATCCCTCCGTTGGAAACTCTAAAA
GCCTTCTTTGATTATGGCAAAGACATAAATGATGATCACTATTCAGACAAACTCCTGGACATACTTTTGT
ATCTAAGGAATAATCAGCTGTATCCTGGAGAGTCATTTGCACACAGTATAAAAACGTGGTTTGAAAGTAT
CCCTGGAAGACAATGGAAAGGACAGTTCACCACAATTCAGAAAAGTGGCCAGTGCTCAGGCTGTGGCAGA
ACTATAGAGCCTATTCATCTGAGTCCAGAAGAGTATGAGTTTCTGAAGGAAAAAATCATGAGGGATGTGA
TAGATGGCGGCGACCAGTATAAGAAGACGACACCTCAGGAACTGAAGAGATTCGAGAGCTTTGTGAACTC
CTGTCCTCCTTTTGATATCGTTATTGATGGCCTCAATGTTGCAAAAATGTTTCCTAAGGGTCGTGAATCT
CAAAATCTCCTGGGTGTGGTTTCTCAGCTAGCCCAGCAGAATCTACAGTTGCTGGTCCTAGGCCGGAAGC
ACATGCTGAGACCCAGTTCCCAGTGGAGAAAGGAAGAGATGGAGCAGGTGCGAAAGCAAGCCCACTGTTT
CTTTGCTGATAACATCTCAGAGGATGATCCTTTCCTTCTGTACGCCACACTGAACTCAGGCAATCACTGC
AAGTTTATCACCAAAGACCTGTTGCGGGACCACAAGGCCTGCCTGCCGGATGCCCGGACTCAGCGCCTGT
TCTTTAAGTGGCAGCAGGGACATCAGCTGGCAATCATGAAAGGGTTTCAAAAATCAAAACTAACTTTCCA
GCATATCCTCAGCTATGACACAGTGGTACAAAGGACTGGAGACTCCTGGCACATTCCTTATGATGAAGAC
CTGGTGCAGAGATCCTCCTGTGAAGTGCCAACCAAATGGCTGTGCCTCCAGAGAAAGACACCCGACCCCT
GCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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).

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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:	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]

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