

Product datasheet for **MC200549**

Mrto4 (NM_023536) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrto4 (NM_023536) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrto4
Synonyms: 2610012O22Rik; Mg684; Mrt4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC005734 sequence for NM_023536
CGATGCCCAAATCCAAGCGAGACAAGAAAGTTTCTTTAACAAAACTGCCAAGAAAGGCTTGGAACTGAA
GCAGAACCTGATAGAAGAGCTTCGGAATGTGTGGACACCTACAAGTACCTTTTCATCTTCTGTGGCC
AACATGAGGAACAGCAAGCTGAAAGACATCCGGAACGCCTGGAACACAGCCGGATGTTCTTTGGCAAAA
ACAAGGTGATGATGGTGGCCTTGGGTCGAAGCCCATCTGATGAATACAAAGACAACCTACATCAGGTCAG
CAAGAAGTTGAGAGGTGAAGTTGGGCTGCTGTTTACCAACCGCACGAAGGAGGAGGTGAATGAGTGGTTC
ACCAAGTATACAGAAATGGATTTTGCTCGAGCGGGGAACAAGCAACTCTAACTGTGAGCCTGGATCCAG
GGCCCCTGAAGCAATTCCTCACTCCATGGAGCCACAGCTGAGGCAGCTGGGGCTGCCACTGCCCTCAA
GAAAGGTGTTGGTACCCTGCTGTCTGACTATGAAGTATGCAAAGGGGTGACGTGCTGACCCAGAGCAG
GCCCGTATCCTGCTGTTGGGTATGAGATGGCTGAATTCAAAGTATCATCAAATACATGTGGGACGCC
AGTCAGGACGATTCCAGCAGATGGACGATGACCTGCCTGAGAGCGCGCTGAGTCTGAGGGAGAGTCTGA
GGAGGAGGATGACAGCTGACTCTGAGAGCCAGGACTATGGCCTTCCAGCGAGTTCTCATCTTTGCTGGA
CACCCACCCACCTCACCTGCCCCGGACTGCTGTCCACTCTAGAGGGAACAGCTATTTATTTTGC
TATGGACAAGACAAGGGAGGGTCTAGGGAATGATTTTGTCTATAAAGAATAAAATTGTGTCCGCGG
GGTGTTCGCGGAGACAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_023536

Insert Size: 717 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).



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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:	<ol style="list-style-type: none">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:	BC005734 , AAH05734
RefSeq Size:	954 bp
RefSeq ORF:	717 bp
Locus ID:	69902
UniProt ID:	Q9D0I8
Cytogenetics:	4 D3
Gene Summary:	<p>Component of the ribosome assembly machinery. Nuclear paralog of the ribosomal protein P0, it binds pre-60S subunits at an early stage of assembly in the nucleolus, and is replaced by P0 in cytoplasmic pre-60S subunits and mature 80S ribosomes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. It encodes isoform 2, which is shorter by an amino acid, compared to isoform 1.</p>