

## Product datasheet for **MC226503**

### Mrto4 (NM\_001290810) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mrto4 (NM\_001290810) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mrto4  
**Synonyms:** 2610012O22Rik; Mg684; Mrt4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226503 representing NM\_001290810  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCAAATCCAAGCGAGACAAGAAAGTTTCTTTAACAAAACTGCCAAGAAAGGCTTGGAACTGAAGC  
AGAACCTGATAGAAGAGCTTCGAAATGTGTGGACACCTACAAGTACCTTTTCATCTTCTGTGGCCAA  
CATGAGGAACAGCAAGCTGAAAGACATCCGGAACGCCCTGAAACACAGCCGGATGTTCTTTGGCAAAAC  
AAGGTGATGATGGTGGCCTTGGGTGCAAGCCCATCTGATGAATACAAAGCAACCTACATCAGGTCAGCA  
AGAAGTTGAGAGGTGAAGTTGGGCTGCTGTTTACCAACCGCACGAAGGAGGAGGTGAATGAGTGGTTCAC  
CAAGTATACAGAAATGGATTTTGTCTGAGCGGGGAACAAAGCAACTCTAACTGTGAGCCTGGATCCAGGG  
CCCCTGAAGCAATTCCTCACTCCATGGAGCCACAGCTGAGGCAGCTGGGGCTGCCCACTGCCCTCAAGA  
AAGGTGTGGTGACCCTGCTGTCTGACTATGAAGTATGCAAAGAGGGTGTGTGCTGACCCAGAGCAGGC  
CCGTATCCTGAAGCTGTTTGGGTATGAGATGGCTGAATCAAAGTATCATCAAATACATGTGGGACGCC  
CAGTCGGGACGATTCCAGCAGATGGACGATGACCTGCCTGAGAGCGCCCTGAGTCTGAGGGAGAGTCTG  
AGGAGGAGGATGACAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001290810  
**Insert Size:** 720 bp



<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001290810.1, NP_001277739.1</u>
<b>RefSeq Size:</b>	1242 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	69902
<b>UniProt ID:</b>	<u>Q9D0I8</u>
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	<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 (1) encodes the longest isoform (1).</p>