

Product datasheet for **MC201424**

Myg1 (NM_021713) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myg1 (NM_021713) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myg1
Synonyms: 0610023A07Rik; 2810433J21Rik; 5830429P19Rik; AI325965; Gamm1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC028501 sequence for NM_021713
 CCCTTGGAGGGAACATATGGGTAGACGTTTCTGCGTGGTATCTTAACTTTGCCGTCCTCGGTCAAGTTCT
 CCAAGCCAGCACCGCATGCTTGGCTCAGAGCAGGATCCGCCGCTAAAAGACTTCGCAACAACCTCATG
 GCACCGCCCGAATCGGGACGCACAACGGCACCTTCCACTGCGATGAAGCTCTGGCTTGGCGTTGCTCC
 GCCTCCTGCCGAGTACGCGAACGCAGAGATTGTGCGGACTCGGGATCCTGAAAAGTTGGCTTCGTGTGA
 CATCGTGGTGGATGTGGGCGGTGAGTACAACCCAGAGTCACCGTTATGATCATCACCAGAGGACTTTT
 ACAGAAACCATGAGTTCAGTGTGCCCTGAAAAGCCATGGCAGACCAAGCTGAGCAGTGGGGACTTGTCT
 ATTTGCACTTCGGACGTAAGCTCCTGGCCAGTTGCTGGGCACTAGTGAAGAGGACAGCGTGGTGGATC
 CATCTATGACAAGATGTATGAGAACTTTGTGGAAGAGGTGGATGCGGTGGACAATGGGATCTCTCAGTGG
 GCAGAGGGGGAGCCTCTGTATGCAATGACCACCACACTGAGTGCCGGGTGCTCGGCTTAATCCCACCT
 GGAACCAGCCCAACCAAGACACTGAGGCAGGGTTCAGGCGAGCAATGGACCTGGTACAAGAGGAGTTTCT
 GCAAAGACTAAACTTCTACCAGCACAGCTGGCTGCCAGCCGGGCTTAGTAGAGGAGGCACTGGCCAG
 AGATTCAGGTAGATTCAAGTGGGAAATAGTGGAACTCGCAAAAAGTGGATGCCCTTGGAAAGGAGCATC
 TATACCACCTAGAATCTGAGCTGTCCCCAAAGTGGCCATTACCTTTGTTATCTACACTGACCAGGCTGG
 ACAGTGGCGAGTCCAGTGCCTACCAAGGAGCCTCACTCATTCCAAGCCGGCTACCTTTGCCGAGCCA
 TGGAGAGGACTTCGGGATAAGGCCCTGGACCAAGTCAGTGGGATCCCTGGTTGCATCTTCGTCCATGCCA
 GTGGCTTCATTGGTGGGCACCACACTCGAGAGGGTGCCTGAACATGGCCCGTCCACCTTGGCCAGCG
 CCCAGCACCTGTGCCTCTTGCAAAATGCTGTAGTCCAATAAAACGTATTACCTCTAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: NM_021713
Insert Size: 1143 bp



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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:	<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:	<u>BC028501</u> , <u>AAH28501</u>
RefSeq Size:	1210 bp
RefSeq ORF:	1143 bp
Locus ID:	60315
UniProt ID:	<u>Q9JK81</u>
Cytogenetics:	15 F3
Gene Summary:	3'-5' RNA exonuclease which cleaves in situ on specific transcripts in both nucleus and mitochondrion. Involved in regulating spatially segregated organellar RNA processing, acts as a coordinator of nucleo-mitochondrial crosstalk (PubMed:31081026). In nucleolus, processes pre-ribosomal RNA involved in ribosome assembly and alters cytoplasmic translation. In mitochondrial matrix, processes 3'-termini of the mito-ribosomal and messenger RNAs and controls translation of mitochondrial proteins (PubMed:31081026).[UniProtKB/Swiss-Prot Function]