

Product datasheet for **MG224047**

Mrpl16 (NM_025606) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mrpl16 (NM_025606) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Mrpl16
 Synonyms: 2310039D06Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG224047 representing NM_025606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGAGGCTGTTGACGCGCTCCCCGCGCCGCTCCTGCGGATGCACTTTTCAGATTCTTGGGCAGCCC
 TTCCCACAGTGCTGGTCTGAAGACGCTCCTCCAGTTCCAACCTTTGAAAATGTCTCCATCCCTGAAAG
 GTCCAAGCTTAAATTTGTTGAAAGAGTCCCACTTGTGCCAAAAGTAAGAAGAGAACCTAAAAATTTGAAG
 GACATACGAGGGCCTTCAACTGAAGCCACTGACTTTACAGAAGGCAATTTTGAATTTTGGCACTTGGCC
 GTGGTTATCTCCATTGGGGCCATTTTGAATGATGCGCTTGACAATCAACCGCTTTATGGATCCCAAGAA
 CATGTTTGCCATCTGGCGAGTGCCAGCCCTTTCAAGCCCATCACTCGCAAAGGTGTTGGGCAGCGCATG
 GGGGGAGGTAAAGGTGCCATCGATCACTATGTGACACCTGTGAAGACTGGCTGCCTAGTAGTAGAGATGG
 GTGGACGGTGTGAATTTGAAGAGGTAAAAGGTATCCTGAACCAAGTTGCTCACAAGTTACCCTTTCCGGC
 AAAGGCTGTGAGCCGTAAGACTCTAGAGAGGATGCACCAAAATCAAAGAGAGAGAGAACTTAACAACCAA
 AACCCCTGGACCTTTGAGCACATAGCCACTGCCAACATGTTTGGCATACGGAAATTCCTGAGCCCATATG
 ACTTGACGCAGAAAGGGCGATACTGGGGCAAATCTACATGCCCAAGCGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224047 representing NM_025606
 Red=Cloning site Green=Tags(s)

MWRLLTRVPAPLLRMHFSWSAALPTSAGLKTLPLVPTFENVSIPIERSKLFVERVPLVPKVRREPKNLK
 DIRGPSTEATDFTEGNFAILALGGYLHWGHFEMMRLTINRFMDPKNMF AIWRVPAPFKPITRKGVGQRM
 GGGKGAIDHYVTPVKTGCLLVEMGGRCEFEVKGILNQVAHKLFPKAVSRKTLERMHQNRERELNNQ
 NPWTFEHIATANMFGIRKFLSPYDLTQKGRYWGKFYMPKRV

TRTRPLE - GFP Tag - V

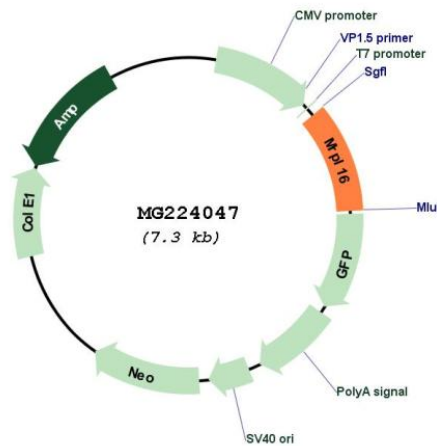
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_025606

ORF Size: 753 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_025606.3 , NP_079882.2
RefSeq Size:	1134 bp
RefSeq ORF:	756 bp
Locus ID:	94063
UniProt ID:	Q99N93
Cytogenetics:	19 A