

Product datasheet for **MG204468**

Mrpl1 (BC061042) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrpl1 (BC061042) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mrpl1
Synonyms: 2410002L03Rik; 5830418D04Rik; AI462572; L1mt
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204468 representing BC061042
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCAGGCATCTCTTACCCTTGTCTGTGAACAGTCTCTTGCACAACAGACATTTTGCTGCTG
 CTGCTGCTGCTGCTACAAAGCCTGCAAGAAAAATAAAAAGGTGCCAAGGAAAAGACATCAGATGAAAA
 ACCAGTAGATGATATAGAGAAAAAAAGTCATATACGTACATGGAAAGTGATCCTGAAGATGATGTCTAC
 TAAAAACGCTTATACCCACGGCGGATCTATGAAGTAGAGAAAGCTATTCACCTACTTAAGAAGTTTCAAG
 TTCTGGACTTTACCAATCAAAGCAAGGTGTTTATCTTGACTTAACATTAGATATGGCATTGGGGAAAAA
 GAAACAGTGGAGCCATTTGCCAGTGTTATTGCTTTACCACACCTCTTCTCCTCAGAAGTCAACAAGGTT
 GCTGTGTTTACAGCGAACGCATCAGAAATAAAAATAGCAGAAGAAAAATGGAGCTGCGTTTGCAGGAGGAA
 CAGATCTGGTTAAGAAGATCATGGATGACGAGGTTGTTGTGGACTTTTATGTAGCTGTCCCAGAAATAAT
 GGGTGAACCTTAACCTTTAAGGAAGAACTGAAAAAAGATTTCCAAAGGCTACTAGAAATTCATTGGT
 CGTGACATCCCCAAAATGCTTGAATTTTAAAACGGCACATGAAATTTATGGTAGATGAAGAAAGACAGA
 ACTTCTCAGCACAAAATAGCAACATTGGATATGCCAAGTGACCAGATAGCTGCCAATCTTCAAGCAGT
 TATAAATGAGGTCTGTAAGCACAGACCACTGAATCTGGGTCGGTTTGTGGTCCGTGCCTTCTTCGTAGT
 TCAACCGTGAAGTTTACTACTGAAGACTGACTATTGCTACCCAAAGAAGCTAAAACCTACAGAAGCTG
 AAACGGAAGAACTCAAACGGCAGAAGCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204468 representing BC061042
Red=Cloning site Green=Tags(s)

MASQASLYPCSVNSLLHNRHFAAAAAATKPARKIKKGAKEKTSDEKPVDDIEKIKSYTYMESDPEDDVY
 LKRLYPRRIYEVEKAIHLLKKFQVLDFTNPKQGVYLDL TLDMALGKKKTVEPFASVIALPHLFSSEVNKV
 AVFTANASEIKIAEENGAAGGTDLVKKIMDDEVVDFYVAVPEIMGELNPLRKKLKKRFPKATRNSIG
 RDIPKMLELFKTAHEIMVDEERQNFLSTKIATLDMPSDQIAANLQAVINEVCKHRPLNLGPFVVRFLRS
 STSEGLLLKTDLSLLPKEAKTTEAETEETQTAEAA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC061042

ORF Size: 944 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:

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: [BC061042](#), [AAH61042](#)

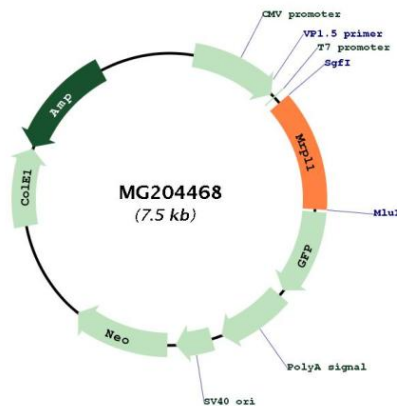
RefSeq Size: 1184 bp

RefSeq ORF: 944 bp

Locus ID: 94061

Cytogenetics: 5 E3

Product images:



Circular map for MG204468