

Product datasheet for **MG202032**

Mpv17l2 (NM_183170) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpv17l2 (NM_183170) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mpv17l2
Synonyms: Fksg24
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202032 representing NM_183170
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTGGGAGGCTGGCGCTGGGCTCGCAAGCGTTGGCTGCGGGGCGCCCGTGTCCAGGGCCGCG
 CGCTGCTCCTACCAACACACTGGGCTGCGCGTGCTCATGGCCGCGGCGATGGCGCGACAGGTCTG
 GGAAGTGC GCGCGCGCCTGGACAGAGATTCAGCGCGCGGCGCTCAGCCAGCATGTTCCGCTGGGCTGC
 AGCATGGGCCCTTCTACACTTCTGGTATCTGTGGTTGGACCGCTCCTCCCGCGTCGGGCTACGAA
 GCCTCCCGAGTGTGATGAAGAAGGTGCTAGTGGATCAAACGGTGGCATCTCCATTCTGGGCGTCTGGTA
 TTCTCTGGGCTTGGCAGCCTGGAGGGTACACTAGAGGAGAGCTGCCAGGAGCTGCGGGCCAAATTC
 TGGGACTTCTACAAGCCGACTGGTGTGTGGCCAGCTGCCAGCTAGTGAACCTCTCTTCATCCCTT
 CTCATTTCCGAGTCACCTATATCAATGGGCTGACACTGGGCTGGGACACATACCTGTCCTATCTGAAGTA
 CTGGGTCCTGAACCCCTTCAGACTCCGGGCTGTGCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202032 representing NM_183170
 Red=Cloning site Green=Tags(s)

MALGGWRWARKALAAGRPLFQGRALLLNTLGGCVLMAAGD GARQVWEVRARPGQRF SARRSASMF AVGC
 SMGPFLHFWYLWLDRLLPASGLRSLPSVMKKVLVDQTVASPI LGVWYFLGLGSLEGHTLEESCQELRAKF
 WDFYKADWCVWPA AQLVNFLFIPSHFRVTYINGLTLGWDTYLSYLKYWVPEPLQTPGCAD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

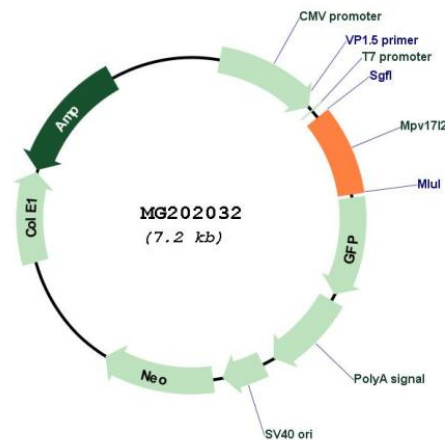


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Cloning Scheme:



Plasmid Map:



ACCN: NM_183170

ORF Size: 600 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: [NM_183170.2](#), [NP_898993.1](#)

RefSeq Size: 955 bp

RefSeq ORF: 603 bp

Locus ID: 234384

UniProt ID: [Q8VIK2](#)

Cytogenetics: 8 B3.3

Gene Summary: Required for the assembly and stability of the mitochondrial ribosome (By similarity). Is a positive regulator of mitochondrial protein synthesis (By similarity).[UniProtKB/Swiss-Prot Function]