

Product datasheet for **MG202304**

Pxmp4 (NM_021534) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Pxmp4
Synonyms: 3010018P03Rik; Pmp24
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG202304 representing NM_021534
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCGCCCCACCGCAGCTACAGGCTCTTCTCCAGGCCGTCAACAAGCTGCTGCGCCAGCGCCGCTACC
ACGCTGCGCTGGCCGTGATAAAGGGCTTCCGGAACGGGGCTGTCTATGGAGTCAAAATCCGGGCCCTCA
TGCCTGGTGTGACCTTTCTTCCAGGAGCGGCAGTCTCAGAGAGAAGCTTCAGGCCATTCTGAAAGCC
ACGTACATCCACTCTCGGAACCTAGCCTGCTTTGTGTTGCCTATAAGAGTCTCCATGCCCTACAGTCCC
ATGTGCAAGGCGAGACCCACCAGATGCACTCTTCTGGCTGCCTTCATCGGGGGGCTCCTGTGTTGG
AGAGAACAATAACATTAATAGCCAGATCAACATGTACCTGACCTCACGCGTCTGTACGCCTGTGCCGC
CTGGGTGTGGAGAAGGGCTATATCCCTGCGCTCAAGTGGGACCCGTTCCCTTGCACACTGCGGTGATT
GGGGGCTCGTGTGGCTTTTGTGAGTACCACCGGCCACTCTGCAGCCCTCCCTACAGTCTCCATGAC
CTACCTCTACGAGGACAGCAACGTGTGGCAGCACTCTCAGACTTCTCATCTTCAACAAGAGCCACCC
TCCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202304 representing NM_021534
Red=Cloning site Green=Tags(s)

MAAPPQLQALLQAVNKLRLRQRRYHAALAVIKGFRNGAVYGVKIRAPHALVMTFLFRSGSLREKLQAILKA
TYIHSRNLACVFVAYKSLHALQSHVQETHQMHSFLAAFIGLLLLFGENNNINSQINMYLTSRVLYALCR
LGVEKGYIPALKWDPFLHTAVIWLVLWLFYHRPTLQPSLQSSMTYLYEDSNVWHDLSDFLIFNKSHPSK

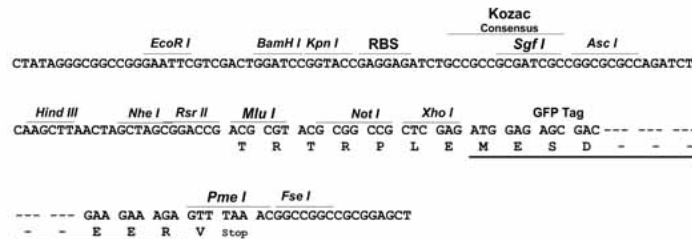
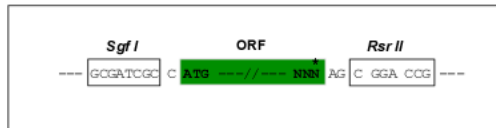
SGPTRRRLE - GFP Tag - V



Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_021534

ORF Size: 636 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:

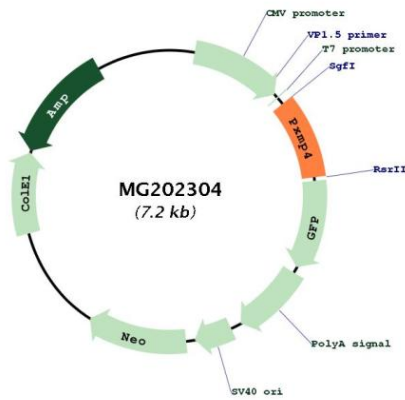
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021534.3](#)

RefSeq Size: 1469 bp
 RefSeq ORF: 639 bp
 Locus ID: 59038
 UniProt ID: [Q9JJW0](#)
 Cytogenetics: 2 H1

Product images:



Circular map for MG202304