

Product datasheet for **MG204933**

AI182371 (BC094504) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI182371 (BC094504) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AI182371
Synonyms:	AI046667
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204933 representing BC094504 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGCTTTTGGGAACACTTCTGTTTCTGATCTTCCTTGAACAAAGTTGGGGACAGGAACAAACATACA
TCATTTCAACCCCAATTGTCTCCGAGTTGGAGCTCCTGAAAATGTTACAGTCCAAGCCACGGCCATAC
TGAGGCATTTGACACAAGTCTCTGTAAAAAGTTATCCTGATGAAAATGTTGTTACTCTTTCAGCACT
GTTAATTTATCACCAGAAAATAAATCCAAAACACTGCAATCTTAACAATTCAGGCCAAACAGTTATCTG
AAGGACAAAACACTATTTTCAAATTCGTATTTAGAAGTCGTGTCAAAGCATTTTGCAAAATTAGAAATCGT
GCCAATCATCTATGACAATGACTCTCTCTCGTTCAAACCGACAAGTCCGTGTATACTCCACAACAGCCT
GTAAAGGTTCTGTCTACTCTGTGAATGATGACTTAGAGCCGGCCACCAGAGAAACAGTCTTAACCTTCA
TAGATCCTGAAGGGTCCCAAGTTGACACAATAGAGGGAATAATCTCACCGGATTGCTCTTTTCTGTA
CTTCGAGATTCTTCTAATCCCAAGCACGGTAGATGGACAGTCAAGGCTAAGTATAGAGAAGATGCTTCA
AAAACCTGGAACACTACTTTGAAGTTAAAGAATACGATAAACTTACAGAATATCTATCATGCCACAA
TTGATCTGCAACCCGAGGTGGAAGCAAGAAGCACATGGCATGTGTCTTCATCAGCCAACAGAGTGTCT
GCGACAGAAGATAAACGAGCAAGCTTCTACATACAAACATCCAATGATAAAAAATGCTGTTACGATGGG
GCCAGATATAACATACATGAGACCTGTGTGCAGCGAGCTGCCCGTGTGAAGATAGGCCCGATCTGTGTCA
AAGCCTTCACTCTCTGTGTAACATGGCACACCAGATCCTAGAAAACAGCACCTTTAAGCACATCCATCT
GTCAAGTCACTACAGAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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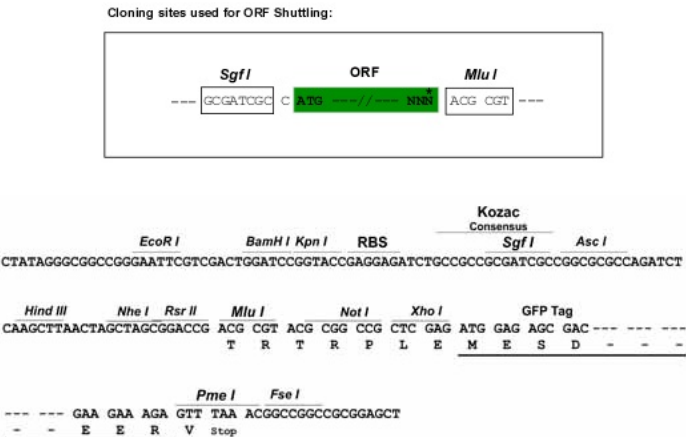
Protein Sequence: >MG204933 representing BC094504
 Red=Cloning site Green=Tags(s)

MGFWGTLLFLIFLEQSWGQEQTYYIISTPIVFRVGAPENVTVQAHGHTAFDTTVSVKSYPDENVRYSFST
 VNLSPEKFKQNTAILTIQAKQLSEGQNSFSNSYLEVVSXHFALKEIVPIIYDNDLSLFVQTDKSVYTPQQP
 VKVRVYSVNDLLEPATRETVLTFIDPEGSQVDTIEGNNLTGIASFDFEIPSNPKHGRWTVKAKYREDAS
 KTGTTFYEVKEYDKTYRISIMPTIDLQPEVEKQEAHGMCLHQPTCLRQKINEQASTYKHPMIKKCCYDG
 ARYNIHETCVQRAARVKIGPICVKAFTLCNMAHQILENSTFKHIHLSSHYS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC094504

ORF Size: 999 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: [BC094504](#), [AAH94504](#)

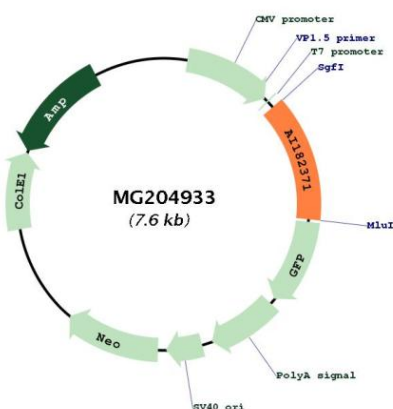
RefSeq Size: 1646 bp

RefSeq ORF: 1001 bp

Locus ID: 98870

Cytogenetics: 2 B

Product images:



Circular map for MG204933