

Product datasheet for **MG223456**

4933403O08Rik (NM_001177389) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | 4933403O08Rik (NM_001177389) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | 4933403O08Rik |
| Synonyms: | RP23-466J17.1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG223456 representing NM_001177389 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCAGGTGGTGATAGCTACCACCCACCACTAACTAAGGAGTTAGAAAGCACTGCCCTTGTAAAC
CAAAAACCTTCAGGGCTTCTTCGCATAGAGAAAATACCAATTAAGTATCTATGGGTCCAGAATTTCAACG
CTTAGAAGTTACAGGAATTGCCAGTCCAGAGGAAAGGGTAAAGGCACCGCAATACTTGTGCTGGTGT
CCTGAAAGGAGGAGTTAGATGATACAGAAATCCAACCTTGCCTTCACTGGGTTGTACACCTGGAGG
CTTTAATAAATAAATGTTCAACATCCTCAGAATACAGTCGCCAGGAACCCAGGAAATCTGTGGATGGA
ATCTCCAGAAAATGCAGAGTCCCGAGGAAGTATGATATGGAAGTAGCGAGAAGCATGTATCCTTTTAGA
GAAAGATCCATCTTTCGGCGTTCCTGGGCAGAGCTCTTAGAGGCACCACTAAACAGTGAGGGGCTCCATA
TTATCCAAACAGAACATATTCACAATGAAGAAAATAGAGATATGGGTTGCAACAACTAACATTACAGGA
AGAGAATCAAGTAATCCCCTTCCCAAGGATCAACATTTCCAGGCTTTCGCAAGGCCCTTCCCCTTGTG
CCAGAGCGCCCTAAGCTCCAAGGCAACGTAGTAGAAGCTTGCCAAGAAACAGTGAAGTCGGAGGCCAAT
ATTTAAATACACCTGAATTCAAAGGAAGTGCAGAAGAAACGCCCTTCTCCACGTGATCATAATTTACT
AACAGAAGAAAATATCAAGGAAAGACACAGCATGGAGGGAGCCTGGCAAAGAGTAATTCATCTCATTCT
GGAGAACATTTTCCATTATGCCAAGATTTGACAATCTTCAATTCAAAGGAACTTTGGAATTCCTGAGG
ATAATTCTGCACGTCCAGAGGCAATATGAGAATTCAGAGCAATGTCAATACTATCCCCATGGTTAATGT
TGGAATTCATAGATAATCCTCAAGTCTTAAAGGCAATACTGGAGTTCAGGAGGCGAGTGGTTTTGGA
GTTTACATGGGCAATAGTGGTAGACCTTCTGGACATGTGGTATCTTCTCACTTATTGAGCTCTCAAAGA
TAGGTGAACACCAAGTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223456 representing NM_001177389
Red=Cloning site Green=Tags(s)

MNQVVIATTPPLTKELESTALVKPKTSGLLRIEKIPIKYLWPEFQRLEVTGIASPEERKGTAILVAGV
 PGKEELDDTEIPTLHFTGFVHLEALINKCSPSEYSRPGTGNLWME SPENAE SPGSDDMEVARSMYPFR
 ERSIFRRSWAELLEAPLNSEGLHI IQTEHIHNEENRDMGCNKL TLQEENQVIPLPKDQHFQALQGPFP
 LPERPKLQRQSRSLPRNSEVGGQYLNTPEFKGSAEETPFPRDHNLLTEENIKERHSMEGAWQRVIPSHS
 GEHFPIIMPRFDNSSIQGNFGIPEDNSARPRGNMRIQSNVNTIPMVNVGIPIDNPQVLKNGTGVPRGSGFG
 VYMGNSGRPSGHVVSPLIELSKIGEHQL

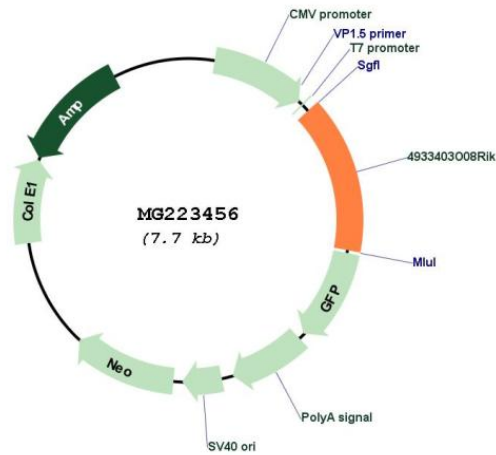
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177389

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|-------------------------------|---|
| ORF Size: | 1137 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_001177389.1 , NP_001170860.1 |
| RefSeq Size: | 1520 bp |
| RefSeq ORF: | 1140 bp |
| Locus ID: | 71030 |
| Cytogenetics: | X E1 |