

Product datasheet for **MG201387**

4833427G06Rik (NM_177702) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 4833427G06Rik (NM_177702) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 4833427G06Rik
Synonyms: MGC58631
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201387 representing NM_177702
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACGGGGCCAGAGGCTGTCTAGCGGCAGGAAGGAATCCAGGAAATCTGCTCCCTGGATTAC
TGGTGTTACCGGCTGCTCTGAGCAGGATGCCAATTTGGCTAAGCAGTTTTGGCTCGGGCGTCCATGTA
CCCCACTACCGAATCTCAGCTCGTGTGACCCGAGGCAGCAGTCAGAGGCTACCGTGGCGCGGAATCT
AAAGTCGTTCTGAGAGAGAAAAGTTCTGTCCAGCCCTTCCCTTTGATCAGGACAAGGATGCAATTATCT
TTGCTAAAGCCAAAGGATTCAGGAATCTGAAGAGAGAGCAAAGTATCTCCAAAAGGCCAAAACGCGAGA
TGAGATTCTCAACTTTTAAGGAAACAAAGAGAAGAAAGGATCTCGAAAGAACTGATTTTCATTACCTTAT
AAACCTAAGGACAAAGTGCCCAATCAAAGGAAGTTTTATCAGAGTCAGGCCTAAGGGACCAAGAAGAAG
TCAAAGCCTTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201387 representing NM_177702
Red=Cloning site Green=Tags(s)

METGPRGCPSGRKESQEICSPGLLVFTGCSEQDANLAKQFWLGASMYPTTESQLVLRGSSQRLPVARNS
KVVLRKSSVQPFQDKDAIIFAKAQRIQESEERAKYLQKAKTRDEILQLLRKQREERISKELISLPY
KPKDKVPKSKEVLSEGLRDQEEVKALE

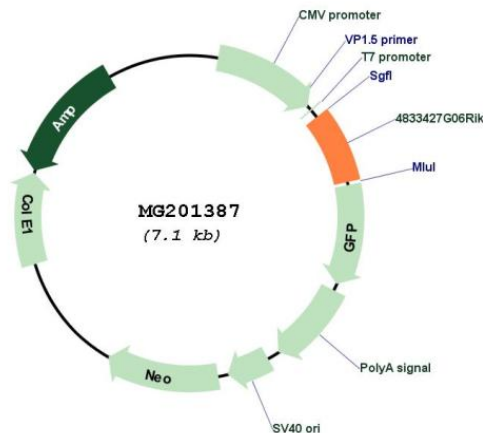
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_177702

ORF Size: 504 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:	<u>NM_177702.4</u>
RefSeq Size:	808 bp
RefSeq ORF:	507 bp
Locus ID:	235345
UniProt ID:	<u>Q80Y73</u>
Cytogenetics:	9 A5.3
Gene Summary:	Required for motile ciliogenesis and flagellar genesis by mediating the maturation of the glycolytic enzyme ENO4.[UniProtKB/Swiss-Prot Function]