

## Product datasheet for **MG214857**

### Gm11437 (NM\_001037932) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gm11437
Synonyms:	A1463690; OTTMUSG00000000997
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG214857 representing NM\_001037932  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATACCATCTTAGTCTTCAGCCTAATGATTGCATCCTATGATTCCAACAAGAACGACCTCAGAAAGA  
GCAGCTGCCAAGTGAACAGTGGCCGACTTCTTCTCAGAGGATGTGAGGAGCAACAAGGATTTGGTAGT  
AAGAGTTCTCTAGAAATTCACACAGATACCAAAGGGACCCATTTCACAAAATCAGCCGATAGCTACC  
CTGCGGTGTCTTGGCTCTGGAAGGAGAGTGACAGTCCACCTTGTATATTCAGAGAGAAGCCAAAGGTCA  
AGTACATTATGAAGAACCTGCCAGTCATTACTGATCTTCCTAGAAAACAGCACTGCTTCCCAAGATGTCA  
CCTCAGAGCCACATCTCAGTTTCAGAATGGATCCCTTCTAACAGCTTTTTTACCAGGGATCTCACAATGC  
ACGGTCTACTCAGCTAAGGACAGATCTGTTTCATCAGAGATGGTGCCCATCACTACCTCTTCCACAACTC  
CTAGAAGTAAAGGAGATGAAGCCACAAGCACTGGGGCTTTTCCAACCTTTAACACAAGGCATAGACAT  
GTCCTTAAAGAGGAGGCAGAAATGGAGTCTTGTAGTCAAAGCTCTGATTGCTGTTACTCTGCTGCTTGGT  
GGGGCGGCTATTATAGTGTGTCATCTTTGAAGTCCCGTGCCGAGTCAATGCCTACGAGTCAGACAGC  
TGTGCCAATGCCAATGTTATGGAGAAGGAAAAGGAAGGAAGAAGACCAGAAACCTGGGACAACCTGAGTC  
CCAGTTGGACTCTCAGCCTGAGAAGGTGAAACACAATGTTCCCTAACTCTTCAGACTCAAAGAAAACGACA  
GACATCGCTATAATCTACCAGACATACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG214857 representing NM\_001037932  
 Red=Cloning site Green=Tags(s)

MDTILVFLMIASYDSNKNDLKRSSCQVEQWPSFFSEVRSNKDLVVRVPLEIHTDTKGTPIQNPFIAT  
 LRCLGSGRRVTVHLVYSERRPKVKYIMKNLPVITDLPRNSTASPRCHLRATSQFQNGSLLTAF LPGISQC  
 TVYSAKDRSASSEMVPITTSSTTPRSKGDEATSTGAFNPQTQIDMSLKRQKWSLVVKALIAVTL  
 LLGAAIIVFVIFEVPCPSQCLRVRQLCQCQWLWRRKRKEEDQKPGTTESQLDSQPEKVKHNVPNSSDSKKT  
 DIAIIYQTYF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_001037932

**ORF Size:** 870 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\\_001037932.2](#), [NP\\_001033021.2](#)

**RefSeq Size:** 1229 bp

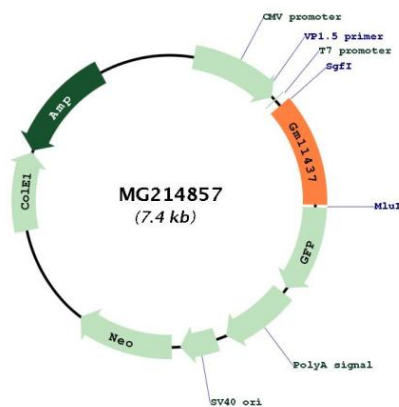
**RefSeq ORF:** 873 bp

**Locus ID:** 628813

**UniProt ID:** [Q5QR91](#)

**Cytogenetics:** 11 C

### Product images:



Circular map for MG214857