

Product datasheet for **MG214516**

Tmem242 (NM_027457) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem242 (NM_027457) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem242
Synonyms: 1110008A10Rik; 2310046K16Rik; 5730437N04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214516 representing NM_027457
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGACCTCGGGTCTGGGCCGGGAGTCCTCTGAATTAGAAGCTCCAGGGTCTCCGGACGATCGGT
TGTTTCTGGTTAAAGGTGGAATTTTCCTTGTTCTGCAGCCGAGCGGAATGCTAGCTGGATTTGTTAC
AACATTATCATTAGCTAAAAGAAAAGCCCTGAGTGGTTCAATAAGGGCACTATGGCCACGGCTGCCTTA
CCAGAGAGTGGTCTCCCTTGCCTGCGAGCCCTGGGCTGGGGTCTCTTTATGCCTGGTGTGGAGTTG
GTGTGATCAGCTTGCAGTGTGAAAGCCTTAGGAGTTCACAGCATGAAGGACTTTCGAAGTAAGATGCA
ATCCATATCCCACCAATCCCAGAACCATGAGTCAGCCGAGGAGTGGGAGGAAGTCTGAAGTGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214516 representing NM_027457
Red=Cloning site Green=Tags(s)
METS GPGP GESSLEAPGSPDDRLFLVKG G IFLG SAAAAGMLAGFVTTL SLAKKK SPEWFNKGMTATAAL
PESGSSLALRALGWGSLYAWCGVVISFAVWKALGVHSMKDFRSKMQSIFPPIPKNHESAEEWEEVLKWK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

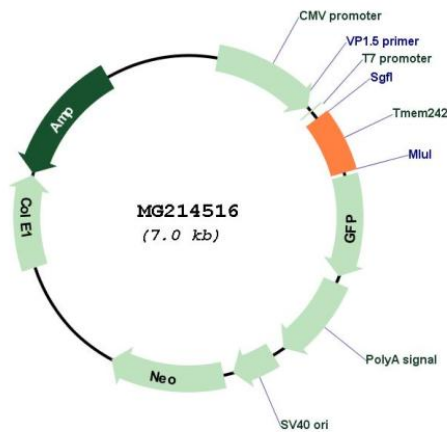


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027457

ORF Size:

420 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_027457.4</u> , <u>NP_081733.3</u>
RefSeq Size:	971 bp
RefSeq ORF:	423 bp
Locus ID:	70544
UniProt ID:	<u>Q8VCR3</u>
Cytogenetics:	17 A1