

Product datasheet for **MG214518**

Gm14525 (NM_001162364) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Gm14525
Synonyms: OTTMUSG00000017011
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214518 representing NM_001162364
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTATTAAGAACTGTGGGTGATACCAAAGGATGGTTACTTATTACTTCTTGACTATGATTCAGATG
AAGAAGAAGAGCAGGCTCATTCTGAAGTAAAGAGGCCAGCATTGGCAAACATGAGAATATGCCGCCCTCA
CGTAGAAGCAGATGAAGATATAAGAGATGAACAAGACAGTATGTTGGATAAATCTGGAGAAAACGTAAGT
TTCTCAGAGGAATGGCAGCGTTTTGCACGTTCTGTAGAGACACCAATGGAAAACGGAATTTGTTAAGTG
GTGAACAGCAAGTTAGGAATGCTTCAGAATTGGACCTTATGGAAGTACAGAATCCAGTAACTCATGATGA
TGGGAATGCAAACTCCTGAAGAAGTAGTTGGAGATACACGAAAGAAGATCAACAACAAATTTGTGAGCAG
AAGTTTGATATGGATACAGAAATCAATGAAGAACAAGAAAAATCAGTGAACAATTATCAAAAAGAAC
AACAAGCATTAAAAGTCCGAATGTAGTCAGAGTCCGACCATGGAAGCAATTGAAGACATGCATGAGAA
GTCCATGGAGGTTTGATGAACATGGAGACCAACAACACTACGATATGCTTTTGTAGTGGTGAAGAG
ACATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214518 representing NM_001162364
Red=Cloning site Green=Tags(s)

MSIKKLWVIPKDGYLILLDYSDEEEEQAHSEVKRPAFGKHENMPHVEADEDIRDEQDSMLDKSGENV
FSEEWQRFARSVETPMENWNLLSGEQQVRNASELDLMEVQNPVTHDDGNANPEEVVGDTRKKINNKLC
EKFDMDIQKFNEEQEKSVNNYQKEQQALKLSECSQSPTMEAIEDMHEKSMEGLMNMETNNYDMLFDV
DGEE
TL

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001162364

ORF Size: 636 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).

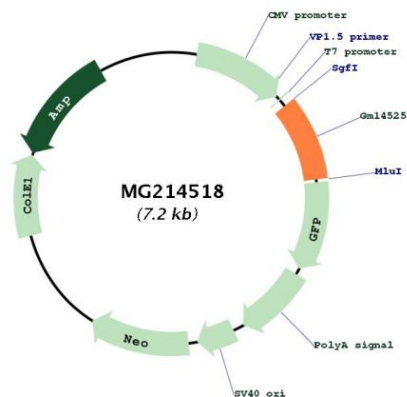
Reconstitution Method:

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_001162364.1](#)

RefSeq Size: 893 bp
RefSeq ORF: 639 bp
Locus ID: 100039120
Cytogenetics: X A2

Product images:

Circular map for MG214518