

Product datasheet for **MG214537**

4930522H14Rik (NM_026291) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: 4930522H14Rik
Synonyms: 1700007J23Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214537 representing NM_026291
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACTTCACCTAATGGTGTCTTTAGTCACCTAACCTACTTTATGGCTGCTGGAGCTTTAGTCTGGAA
TTGGATTCTTTGCTTTGGCATCTGCTTTGTGGTTCTGATTTGCAAACGAAGAGAACTATTTGAGGAGTC
CAAGTTTAAGGAATTTGGTAAAAATGAAGCAAGGATCATGCAAACAAAGCTTAAAGCTCACCCCTCAG
TGTGTTTTTCATTTCCCGAACTTCCATGCTGGCTATTTACAATCACAGACGGAGAAAAGAGAAAAGGAAG
AAGCAGAAAAAAAAGCTGTGAGAAAGTCACTCTAAAGTTGAATTCTGCCTCCAGGATCCCATCAGCTGTGA
GTCCCTGAGGTGACCTCAGTAGCAAATGGCAGCAGTGTGTCAACATTGAGCTTATCAACATCAACTCTCT
AGTTCTTACTGCTGCCAGACCGTAGAAGAAGCCGAAGACTGGCTTACTGATGATTGTCTAGAAACAGGA
TTCCCTTAAAGAATCCTTTACTCGGGGAGCCTCTAAAAAGAAGGTGCTTGCCTACCTGTCCATTTTC
ATTAGAAGAGTGGCCTGGGAACACAGTGAGCAACACATTTTGTAGCGAGCAAAAACTGACAGCCTTAAG
GAACTGTTGTTACTGAAAAACAGAGGTTGGCAAACACAACCTTCAATTTGATATTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214537 representing NM_026291
Red=Cloning site Green=Tags(s)

MTSPNGVFSHLTYFMAAGALSLGIGFFALASALWFLICKRRELFEESKFKEFGENMKQGSKPKLKAHPQ
CVFISRNFHAGYLSQTEKREKEEAEEKAVRSHSKVEFCLQDPISCESPEVTSVANGSSVSTLSLSTSSIS
SSYCCQTVEEAEDWLTDDCLETRIPLKNPLLGEPLKKKVLAYLSSISLEEWPGNTVSNTFCSEQKTDLSL
ELLVLKNTEVGKHNLFQDIE

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026291

ORF Size: 690 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:

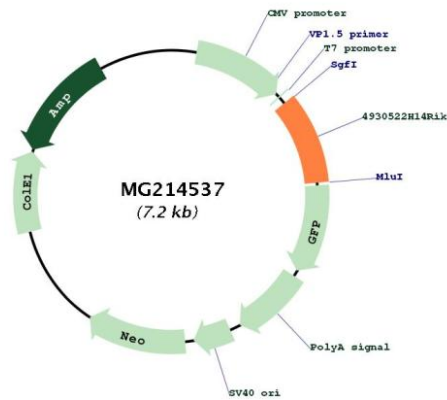
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_026291.3](#), [NP_080567.1](#)

RefSeq Size: 859 bp
 RefSeq ORF: 693 bp
 Locus ID: 67646
 UniProt ID: [Q9CPZ3](#)
 Cytogenetics: 4 C7

Product images:



Circular map for MG214537