

Product datasheet for **MG209948**

4930452B06Rik (NM_028934) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4930452B06Rik (NM_028934) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4930452B06Rik
Synonyms:	4933406L09Rik; AI854000
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG209948 representing NM_028934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCAAAAATGAGTACCAGGGAGGTGCATTTGTTGAAATTTTAGCGCTCAGGGGAAAAATCCTGGAG
 CAAAATGGAAGATCTTGGGCAGTCCGTCTGTGATTTGAAAGAATTTGATAAAGAAGTTAAAAGTTTGT
 ATTTGCTCTGGAAGGCAGCAGCCAAACCAAGAAATCCAGTTACCGAAGGAGAATAAGCAAAATCCTTGGA
 CTGATCCAGAGGTTTCTGTGCTTCAGATTTACATACCCCTGGGACAGGACTTCTCCACTGAATTAATA
 TTAAGTATTTAGGAAACATCAAAAGAAGTTGTATTTATCAACAGTCCATAAGGAAGTGTCTTCAACACC
 TCTTCATGCAAAAATCCCACTCTTCATGATCCAGCGTAAAATTTGGTGCACCTTGTGCATTGACCTGGTC
 GCCTTCACCAGTGAGATTTCAAAGGAGCAGTTTTCCAGTCGTTGGATGGAATCATCGTCTCTGCTAACT
 GTAAGCTGCGGAAGATCTTCACTTTAAAATCAAAGCCTCAAGAGACAGCTGATAAAGATGATGAACCCAC
 AGATATTATCCACGAAGCTGTCAACTTGCAACAGATGTTCTCATGTTACACAGCTGCTAAACATGACA
 AAACCTCCGCCAAACTGAAATTAATTTGGAGGTCACTCTAAGATCAGCAGAATCAGAGCAGTTTATCA
 GCAGCGGAGCAGGCAGCGTCCAGAACAGTAAAGGTCAAGATGTGTGCCACATCGCCTTCGGATCCAGGGT
 TCTTGGACCCCTCCACTCTCTGGCAGACGGAATAACCTAAGGCAGTCCACTGAGACAGTAAAGTCCATT
 CGGTACAAAAATAGCCAATTGTGCCAGCAGCCTACAGAAGAGAGGAGTGTAAACAGTACGGAAAGTGTGCG
 CCTTGCTGGCTGACCAGCAAGGAGAGAAAGGAAGTGTCTCGCCCTTTGAAGCAGACCACACCTTCTCTG
 CAAGCTACCTATCCGTATCCACATCCCACTCAAGAGCCATCAGCAGATAAGGGTAGCAACCGAAGAAGA
 CTCCGGCTAAAGAGCAGCAGCGGAGACAGGACAGAGGCGCACTGTGTTGCTCCTCGGAAATAACAGGA
 GTGAAGAAGATGTTGTCATGGCCCTCAACAGTATCCACAGCTGAGGACAGAGCCAGTGTGAGGACAGCAC
 TCCAGAACCCTCCGCTCCTGAACAACCAGATGAGTGGATATTTCTGAGAGCGGTGGCCTAACCTCAGAC
 CCAGCATGGAGCAGTCCGCCTTTGCTCCTAGATGAAGACTCCACACTGCCTCGAACCTGTGGCTAGAAA
 CCAGCAAGGACAGTGAACATGACCAGGCAGAGGAAACCCAGAGGGCTCCCAAGGACATTTTTACCTTTTC
 ATCTAGACCAAGATCAGCGCCTCATGGGAAAAGTCATGATATGTCCCCAAGGGGTGCCATTTACTCTG
 GACACACAAGACGACAGCCAAGTGACCAAGGAAGACCCCAAGTTGGAAGGCGGCTTCTATGGCAGTGAGA
 GCAGCGAAGAGGAATATAACTGGAGAACTATCAGCCCAGCCAGATGAGCGAATCTGAGCTGCAGATGCT
 GCGGAGCCTCCGGCGGCAGCAGAATGAAGACCTGGAGGACACTGGGGCTCCCATGGCCTGAGCGCGTCT
 CAGGTAGACCACTGTAATGTCAGCATCAGTACCAGCAGTATGACACGACCACGTGGAACCTTTGTCTCC
 CACCCCTGTGAACCAGGCGCTCACTATCAGAAAGAAATGAATCCACCTTCTCCATCTAACCCCTGAGA
 CTGGCTGAACATGTTGAGCCACCCATTGTCCCTCCCAGTCAGCAGCCAGTGAACAGTCTCTCGACTCC
 TCTGCAAGTCTGAGCGTGAAGGTGAAGAGGATCCACGTGTGGAAGAAGACGAGGAAGTGTGACTCTGT
 TGTATGACCCATGTCTCAACTGCTACTTTGACCCTCAGACTGGCAAACTACTACGATTTGGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209948 representing NM_028934
 Red=Cloning site Green=Tags(s)

```

MFKNEYQGGAFVEIFSAQGNPKGAKWKILGSPSVIWKFEFDKEVKSFFVFLVLEGSSQTNRIQLPKENKQILG
LIQRFLVLIQIYIPLGQDFSTELLITDLGNIKRRLYLSTVHKEVVSSTPLHAKIPLFMIQRKIWCNLCIDLV
AFTSEIFKGAVFQSLDGIIVSANCKLRKIFTLKSKPQETADKDDEPTDIIPRSCQLATDVPHVTQLLNMT
KLRQTEIKFGGHPLRSAESEQFISSGAGSVQNSKGDVCHIAFGSRVLGPPPLSGRRNNLRQSTETVRSI
RYKNSQLCQQPTEERSVNSTEVSALLADQQGEKGSARPLKQTTPLPKLPPIYPHPPQEPSADKGSNRRR
LRLKSSSGDRTEAHCGCSSGNNRSEEDVVMALNSIPQLRTEPVRASTPEPPAPEQPDEWIFPESGGLTSD
PAWSSPPLLLDEDSHTASNLWLET SKDSEHDQAEETQRAPKDI FTSSRPRSAPHGKSHDMSPKGCPTL
DTQDDSQVTKEDPKLEGGFYGSESESEEEYNWRNYQPSQMSESELQMLASLRRQNELEDTGAPHGLSAS
QVDHCNVSISTSSDDTTTWSNCLPPPVNQGRHYQKEMNPPSPSNPRDWLNMLSPPIVPPSQQPVEQSLDS
SASLSVQGEEDPRVEEDEEVL TLLYDPCLNCFDPQTGKYVELV
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028934

ORF Size: 2022 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.

RefSeq: [NM_028934.3](#), [NP_083210.3](#)

RefSeq Size: 2751 bp

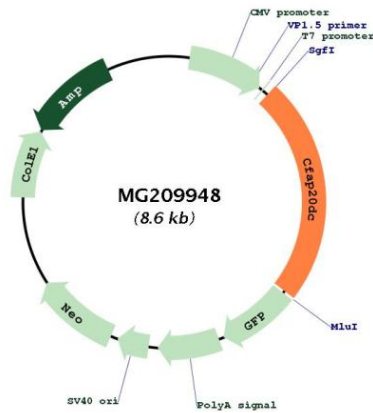
RefSeq ORF: 2025 bp

Locus ID: 74430

UniProt ID: [Q6P2K3](#)

Cytogenetics: 14 A1

Product images:



Circular map for MG209948