

Product datasheet for **MG214696**

4930539E08Rik (NM_172450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	4930539E08Rik
Synonyms:	9130014G02
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG214696 representing NM_172450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCAGATCAAGGAATCCCAGCCAAGGGATGCCCGGGACAGCAGCGACTCCTGTGGTCTGAGCCGG
 TGGAGACCCCGAAGGGAAAAAGAGAGCCCGATCCTTGGACCGCAGGTTCCAGGAAGAAGGACCCCGA
 GTCCTCGAACACCAAGGTGCCCTCCAGCGCACCTGCAGGAGGACAGTCAGCGATGGAGCCAGAAGTTCT
 GAGAGCCCATCTCACTTTGAGAGGGCAGGGCCGCAACCGCCGAGCCCTCCCTCCGGGAGAGGGGCGCG
 GATTTCTCCCAGTGAGCAGGGCCCCCAGAAGACACCAAGAAGAGAGGCTTCCGAGGGAGGCCAGCA
 GAGCTGGCTGAGGCTGGTGTGAATATCTTACTCATGAGGATAGAAGAGCCAGAGAAAAAGGCCAGCAGG
 GCGTCAAAGGGAAAAGGGGACCTACCAGAGGCAGCCGAGGAGCCAGCCCTCAGGAAGAAATCGCACGAGA
 AGAGAACCAGCCGAAGAAGCACAGTCACAGGAAACCTATAGCAGAAGAGCCTCCGGTCCCGAGCCGC
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 GGGCTGATCTGCAGGGGGGACAGATTCTGACCTTCTCAGGCCTTGCCACTGAAGGAGACCATGCTG
 AAACCCAGACAGCTTTGGCCAAGCCTCAGGTCCTCCATTAGAAGAGGACCCAGGAAGCCTGACCAGGA
 TGATGTCATCTGGCAGATTGTGGAATTGCTCAAGAAAGCTGGAGACCAACTGGAAGAAGAGCAAGTGCAA
 ATCCCTCAGCCAGAAGCGGTTCTCCACGAAAGCCAACGCCACTCCCAGGAAGAAATCCCAGGAGAAGA
 AGTCCAGCCTGAAGAGAGTCTTATCCCTCAAGAAGCCTGCCTCTGAGGAACCCAGAGAGTCGGCACAGC
 CACTACCCTGGGCCAGAAACCCGGCCCAAGAGGCCAGCTTCTACCCTGTGTGTTAGTAGCCAGCGA
 GCTTCCACCTCCAGCAGCCTTGACTTGGAGGCGCCTGAGTTCAAGAGGTCCCGTCTGTAGATGGTGGAG
 GCTCCCATCCCTCTGAGCTCCACACACCAGCTGCCATATTTAGGGACCCGAGGAGAAGCCACTGCTGGA
 CAGAGCCTCCGAATCCAGAGAATTCAGGCGGAAGATCCTGGTCTGCTCCAGAGTGCAGAGGACGAGAGG
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 AGTCCCAGGTGAAGAAGTCTAACCTCCGGAGAGCCTTTCTCTCAGGAAACACAGCTCCAAGGATTCTAA
 GAAAAACAGAGGCTTCAGGGACTCCAGGCTCTGGCAGCCTAGAGGCCCGCCACCCAAGAAGCACGGCTTC
 CTGCCCATGTGTGTGTCAGTGGCCACAGAGCTTCCATCTCCAGCAGCCAGAAAGCCTGGAGTTCCAGAA
 CGGAGGCTGCAGGAGGGGACCCAGCTGGGTCCCGAGGAGCGCCTTCCAGGCCAGGAGTCACACACCAGA
 TGAGGGGCTTACCAGAGCGAGCCTGGGAATCTAAGGAGTTCATGATCCAAAAGCTCGTGGCGAGTCTC
 CAAGAGGTGGACAGGGATCTAGGGAGGCAGATCCGGAAGTACCCAGCTTCAAGCGTTTTTTAACGAGT
 TCTCGGATGCCTCCCTCAGGAAGCTGGTGGCTACCTTAGAGAGACAGAAGGCCAGCCTCTCAGAGGAAGG
 CCGGAGCCTCGCTAACAGGCCGCCACCCTGTGCCTTTGGCACACTGAACAAGTTTGGGCCACCCGACG
 TGCACCATCTGCACCCTGATGCAGTCCAGAGGCGAATACAAGGGACACAGTTACGCCCACTTCTGTCCA
 GGAAGGCCGAGCAGGACATCAGGAATCTGGATAGCCAGAGTCCGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214696 representing NM_172450
 Red=Cloning site Green=Tags(s)

MPSRNPSSQGMPRDSSDSCGLSPVETPKGKKRARS�DRQVPRKDPESNTRCPSSATCRRTVSDGARSS
 ESPSHFAEAQGATAAALPPGEGRFLPSEQGPPEDTKKERLPREAQQSWLRVLNILLMRIEERPREKASR
 ASKKGDLPEAAEERLRRKKSHEKRTSRKKHSHRKPAAEPPGPQTAEAQGREVVPPSLAASAPHEIAL
 GLICRGGPDSLPQALPTEGDHAETPDSFGQASGPPEEDPRKPDQDDVIWQIIVELLKAGDQLEEEQVQ
 IPQPEAVPPRKPPLPRKKSQEKSSSLKRVLSLKKPASEEPRKRVGTATLGPETRPKRPSFLPLCVSSQR
 ASTSSSLDLEAPEFQEVPSVDGGGSHPSSELHTPAAIFQGPEEKPLLDRASESREFRRKILVLLQSAEDER
 GEQEAQAEAEKAGENPTPAGKVKSQVKNLRRRAFLSRKHSKDSKTEASGTPGSGSLEARPPKKGHF
 LPMCVSQHRASISSPESLEFQKTEAAGGAPAGSPGAPFQARSHTPDEGPPSPERAWESKEFMIQKLVASL
 QEVDRDLGRQIRKYPFVKRFNEFSDASLRKLVATLERQKASLSEGRSLANRPPPCAFGLNKFATR
 CTICTLMQSRGEYKGSYAHFLSRKAEQDITNLDSPD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_172450

ORF Size: 2007 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_172450.3](#), [NP_766038.1](#)

RefSeq Size: 4594 bp

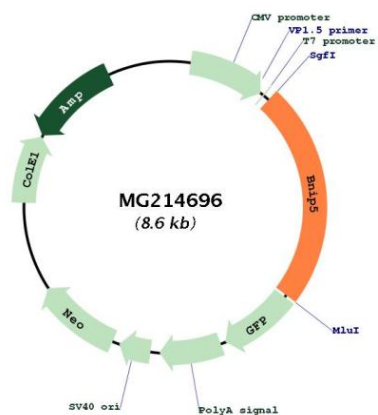
RefSeq ORF: 2010 bp

Locus ID: 207819

UniProt ID: [Q8CC96](#)

Cytogenetics: 17 A3.3

Product images:



Circular map for MG214696