

Product datasheet for **MG208196**

C230094A16Rik (BC024726) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C230094A16Rik
Synonyms:	MGC38936, RP23-176O5.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG208196 representing BC024726
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCAAAACACCCTTTCCATGCTGCGGTGCTTCCACCAAGGGGTGAATTACATCAACTTCAGTG
CAACCGGGAAGCTCCTGGTGTCTGTGGCGTGGATCCAGAGCACACCATCACTGTCTGGAGATGGCAAGA
AGGTACCAAGGTTGCCAGCCGAGGGGGCCACCTGGAACGAATATTTGTGGTGAATTTGCGCCTGACTCA
GACACACAATTTGTATCTGTTGGAGTCAACATATGAAGTTCTGGACTCTGGCAGGAAGTGTCTGCTGT
ACAAGAAAGGGGTATCGGGTCTATGGAAGCTGCCAAGATGCAAACGATGCTGTCCGTGGCTTTTGGTGC
TAACAACCTTACTTTTACTGGTGCCATCAATGGAGATGTCTATGTCTGGAAGGAGCACTTCCTCATCCGG
CTGGTGCCCAAGGCTCACACAGGTCTGTCTTTACAATGTACACCACCCTCCGAGATGGGCTTATTGTGA
CTGGCGGAAAAGAACGACCGACTAAGGAAGGAGAGCTGTAAGTTGTGGGACCAGGAGATGAAGCGCTG
TCGGGCCTTCAGCTGGAACAGGGCAGCTGGTGAATGTGTGCGCTCGGTGTGCCGTGGCAAGGAAAA
ATCTTAGTAGGAACCAAGATGGTGAAATAAATTGAAAGTTGGGGAAAAAGCGCTGCTTCAAACATCCTGA
TTGATGGACACATGGAGGGGGAGATCTGGGGCCTAGCCACACACCCTCCAAGGACATGTTTCATCTCAGC
CAGCAATGATGGCACAGCAAGGATCTGGGACCTGGTGACAAGAACTGTTAAACAAGGTGAACCTGGGC
CATGCGGCCAGGTGTGCAGCTATAGCCCTGATGGGAGATGGTGGCCATTGGCATGAAGAATGGAGAGT
TTGTCACTTTGCTGGTGAACACCCTGAAAGTTTGGGGAAAAAACGAGACCGGAAATCTGCCATCCAAGA
TATCAGAATCAGCCAGACAACAGATTCTTAGCTGTGGGTCTTCTGAGCAGACAGTTGACTTCTATGAC
CTTACTCAGGGCACAAGTCTGAACCGGATCGGCTACTGCAAGACATCCAAGCTTTGTATTGAGATGG
ACTTTTCTGCAGACAGCAAATACATTCAGGTGTCAACAGGAGCCTATAAGCGCCAAGTACATGAAGTTCC
CCTGGGGAAGCAAGTAAGTGAAGCCATGGTTGTTGAGAAGATCACCTGGGCTTCTGGACAAGTGTCTC
GGAGATGAAGTCATTGGAATCTGGCCACGAAACGACAGACAAGGCTGATGTCAACTGTGCATGTGTACCC
ATGCTGGCTTGAACATTGTACAGGGGATGACTTCGGGCTGCTGAAGCTCTTTGATTTTCCATGCACAGA
AAAATTCGCCAAGCACAACGTTACTTTGGTCACTCTGCTCATGTGACGAACATCCGCTTCTCTCCGAT
GACAAGTATGTGTCAGCACAGGAGGAGACGACTGCAGTGTATTTGTGTGCGCATGTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG208196 representing BC024726
Red=Cloning site Green=Tags(s)

MTKHTLSMLRCFHTKGVNYINFSA TGKLLVSVGVDPEHTITVWRWQEGTKVASRGHLEIFVVEFRPDS
DTQFVSVGVKHMFWTLAGSALLYKKGVISMEAAKMQTMLSVAFGANLFTFGAINGDVYVWKEHFLIR
LVAKAHTGPVFTMYTTLRDGLIVTGGKERPTKEGGAVKLWDQEMKRCRAFQLETGQLVECVRSVCRGKGK
ILVGTGDGEIIEVGEKSAASNILIDGHMEGEIWGLATHPSKDMFISASNDGTARIWDLADKLLNKVNLG
HAARCAAYSPDGEMVAIGMKNGEFVILLVNTLKVWGKKRDRKSAIQDIRISPDNRFLAVGSSEQTVDFYD
LTQGTSLNRIGYCKDIPSFVIQMDFSADSKYIQVSTGAYKRQVHEVPLGKQVTEAMVVEKITWASWTSVL
GDEVIGIWP RNADKADVNCACVTHAGLNIVTGDDFGLLKLDFDPCTEKFAKHRYFGHSAHVNTNIRFSSD
DKYVVSTGGDDCSVFVWRCL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC024726

ORF Size: 1530 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.

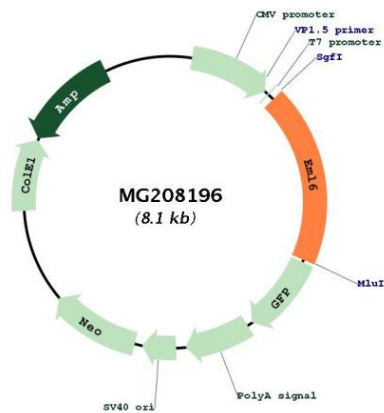
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC024726](#), [AAH24726](#)

RefSeq Size: 2444 bp

RefSeq ORF:	1532 bp
Locus ID:	237711
Cytogenetics:	11 A3.3
Gene Summary:	May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208196