

Product datasheet for **MG212631**

Fam196a (NM_001143802) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam196a (NM_001143802) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam196a
Synonyms:	B830028B13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG212631 representing NM_001143802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCAGCAAGGACTCTGGCAGATGCATACTCACGACACCAGAGCGGGAAGTGGAGCCCGCCGCTGCC
 TGGCCCTGGAGATGAGATATGCCCTCGACCCTAACCGGCAGATCAAAAAGCGAAAACAAAGCTCTGCAGGT
 CGGTTTTAAGGATATCTGTGAGGCCAGAAATGAGCAGAGAGACACACAGCTGTCTTCGGGACCTCTGGGG
 GAGAAGCGAGAGGCCAAGGCTGTGTCTGCAGGGTGGCCTATCGTAAGTATATGACAGTGCCTGCACGCC
 GATCCATTCCCAATGTCACCAAGAGCACCAGGTGTGCAGACCTCACCAGATCTTCGCAAGTGTACCAGAC
 ATCCCGCTGGACCGCAAGAAAGGCAGTCTCAAAGGCCTGCCGGTGCAGATGCCTTCAAAGCCAGAAC
 AATGGGTTTCTAGCAGATTCAAAGAGAAGAGCGAGGCCGGACCCATGGAGGAGCCTCGGCCTGCAGTG
 CAGGAAGGATTCACAAGACCACCGCATTGGTTTTCCATTCCAATGAGCACGTGAACGCACCTGGGACAGCC
 TTCTGGGGTCACTGTGCAGAGCTCTGTAAGTCTCCAGATGTGCTTGGCTACCCAGAGGCTGTTTTGCAA
 AACTCTCGGCCTCCCTCTGAGGAGCCCATCCACCAGCTGCAGGGGAGAGCTAAGCTTGACAGGGGACCC
 TGGACTCAGAGGAGCCGGCTCCACTCACCCACGGAAGGGTGTAAAACCGAGGTCGCCACTGTGTATCC
 GCCTGCCATCAGTACCAGGGCCCTGAGCCTGGCTTGTCAAACCTGCTGCTGCCAGCCAGTGGTCTCTC
 TGCCCTGCAGATGAGGAGCAGAGGCCGAGCCGCCACCTCAATGGGCTACAGGCATCCACAGGCTCTGCTG
 TGGCCTGCTCAACCCCGTGCAGTACCTGTCCCGAAGTGTAGCGAACAGCCCTGCAGAACCAGCCTAG
 CCCACAGCTGGGATAGGGGATGAAGAACCAACAAATTTGTGCCTCACACAGAGTGGTAGACCTCAAG
 GCCCAGCTGCAGGTGATGGAGAATTAATCAGCTCTAGCCAGGAGACCATCAAAGTGTCTGGGAGTTA
 TTCAGGAGCTGGAGAAAGGAGAAGCCATCGGGAAGGGCTTTCATATCGGACGGGCAAGACACAGCTAA
 TTGTGACACGTGCAGGAACAGTGCATGATTATCTATAGTGTGGAGCTGGATTTAAGCAACAAGAAGAC
 AAAGTGCAGCCTGTGCTGAGAAAAGTGCACCCTGTGAGGAAAAGTCAAGTGCATCCCTTCGCCTTACCCTC
 AGGAGACTCACTCTCCACGCCAAGCAAAAATCCAAAAGTGCATCCAAAAGCATGGCAGGTGGAAAAGT
 CTGGTTTCTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212631 representing NM_001143802
 Red=Cloning site Green=Tags(s)

MVSKDSGRCILTPEREVEPAACLALEMRYALDPNRQIKKRNKALQVRFKDIQNEQQRDTQLSSGPLG
 EKREKAVSCRVAAYRKYMTVPARRSIPNVTKSTGVQTSPLDRKCYQTFPLDRKKGSLKGLPAADAFKSN
 NGFLADSKEKSEAGPMEPRPCSAGRIHKTTALVFHSNEHVNALGQPSGVNCAELCKSPDVLGYPEAVLQ
 NSRPPSEPIHQLQGRAKLDRTLDSEEPAPLTHGRVFKTEVATVYPPAISTRAPPEGLSNSAAASQWLS
 CPADEEQRRAAHLNGLQASTGSVACSTPVQYLSPECSEQLQNPSPSPTAGIGDEEHQIIVPHTEVVDLK
 AQLQVMENLISSSQETIKVLLGVIQELEKGEAHREGLSYRTGQDTANCDTCRNSACIIYSVELDFKQVED
 KLQPVLRKLHPVEETQVIPSPYPQETHSSTPKQKSKTESKKHGRWKLWFL

TRTRPLE – GFP Tag – V

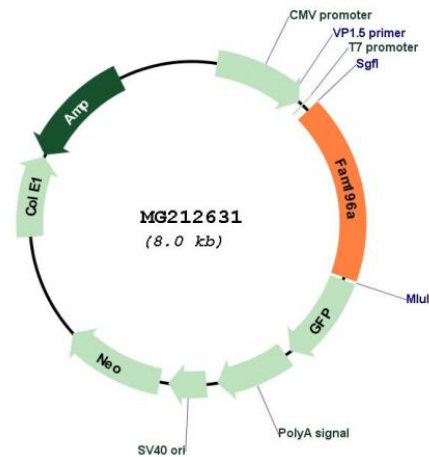
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001143802

ORF Size: 1410 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_001143802.1](#), [NP_001137274.1](#)

RefSeq Size: 4637 bp

RefSeq ORF: 1413 bp

Locus ID: 627214

Cytogenetics: 7 F3