

Product datasheet for **MG215172**

Fam198a (NM_177743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Fam198a
Synonyms:	C730027P07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG215172 representing NM_177743
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCATTCTGCCTCTTGATGGTCCTGTCTGCAGTGGCTGTCATTTCCTCCAGGGCATCCAGCTT
 CCACCCAGGACTTAATCCCATGGAGCCTCGGGGGAAAGTTGGTGCCTCCGACCCAGGATTCAGCAGAC
 TTTGAACTCTAGCCTGAGGCAGCCAGCAAGGAACCTGGGCCACTGGACAGGCCAGGCTTTGCCAGAAAT
 CCCATCTTGGTCTGTGCCAAGAAGCAAAGCCGACAGAAAGTGGACAGAAGCCGACACCCACTGAGTG
 TCAGGAGAGATGCGATACTCAGTCCCAGGATCGTGAGCTTCTATTAGAGGGGGAGGTGAGAGATGCAGG
 GGGCGCAGCGCTGGGCCAGCCTGGGCATAATGGTTTAGTCCAAGAGACACAGCAAGACAGTCACCATG
 GTTGTCCCACTCACAGAGAGAAGCCACGAATCTTTTCAGGCACAGAGAGATACTGCTGCAGCAAGCTTTA
 GGCCATGGCCAGCAGATGGTAGAGATCCTTTGCCAGGAGCCAAGAATGGAGTCTTGACTGGTGGGAAGGC
 TGGGAGTGCCACCTCAGGGTACAGGCTCCATGGTGGTCTAGCTCTGCTGAGGACCTGCAGAAATCCCA
 TGGTGTGGTACTGAGACCCCTGGGCTGGCCGGCACTGCAGCATGGGGTCAAGTTCCACCATGGTTATAGG
 AACATGATGCACAAACTCTCCGGCTACTGGTCCATGGGAAAGTGGTGGGAAAAGCCAGGGTCCCTGCCCA
 TGGGCAGGTGCTGCAGGTTGGACTATCTGCTGGAGATGCCCTCCAGGACATATCTCCTCAGGCTCAGC
 CAGTTCTGCTCCCAGGGTCTCTGTGGCCTGATTAAGAGTCCAAGGACCTGCATGAAGTCCATCCTTCC
 ACCTGGACCGTGTGCTGGGACTCCAACGGAGCCTACCTGCCGTAGCCCGAGCTTCCACAGTCCCCTTCT
 GCCCTACCGTTACACAGATGGCAGTGAAGGCCATCATCTGGTGGGCACCGGATGTGCAGCACCTAAGA
 GACCCAGATGAGGACCAGAACTCTCTGGCCCTGGGCTGGCTACAGTACCAGGCTTGTGCCCCGAGGCT
 GCAAAATGGCCAGGCCAGATCCCATGCCTGGGCATCCACCATGCTGAGTGGGCAGTTTGGCTCTCTTTGA
 CTTTCTGCTTCAGGTCCACGACCGCCTGGATCGCTACTGCTGTGGCTTCGAGCCTGAGCCCTCAGACCCC
 TGTGTGGAAGAGGGTCTCCGAGAAAATGTCGGAACCCAGAGGAGCTGCGGCTGGTCCACATCCTGGTCC
 GGAGCAGTGATCCATCTCGTTGGTGTATATAGACAATGCTGGCAACCTCAGCATCCAGAGGACAAGCT
 CAACTTTCGGCTGCTGGAAGGCATAGATGGGTTCCAGAGTCCGCTGTGAAGTCTTGCATCAGGGTGT
 CTACAGAACCTGCTGTTCAAGTCGCTGCAGATGGACCAGGTGTTCTGGGAGAGCCAAGGTGGAGCTGCAG
 GTCTGAAGCATGTCCTTGAGACTCTGGAGAGTCGGGGACAGATCCTGCTGAGACACATTAAGAAGCACAA
 CCTCACACTGTTACGGGACAAGGACCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215172 representing NM_177743
 Red=Cloning site Green=Tags(s)

MAFCLLMVLSAVAVIHFPPGHPASTPGLNPMERPRGEV GASDPRIQQTLNSSLRQPARNLGHWTGQALPRN
 PILVCAKKQSRRRQVDRSRHPLSVRRDAILSAQDRELLLEGEVRDAGGAALGQPGHNLVQETQSKVTM
 VVPLTERSHESFQAQRDTAAASFRPWPADGRDPLPGAKNGVLTGGKAGSATSGSEAPWWSSAEDLQKSP
 WCGTETPGLAGTAAWQVPPWFMEHDAQTLRLLVHGKVVGKARVPAHQVQLQVLSAGDALQDISPLRLS
 QFCSQGLCGLIKRSKDLHEVLSFHLDRLVGLQRSLPAVARSFHSPLLPYRYTDGSVRPIIWWAPDVQHLLR
 DPDEDQNSLALGWLQYQALLARGCKWPGQIPCLGIHHAEWARLALFDFLLQVHDRLDRYCCGFPEPESDP
 CVEEGLREKCRNPEELRLVHILVRSSDPSRLVYIDNAGNLQHPEDKLNFRLEIDGFPESAVKVLASGC
 LQNLKFKSLQMDQVFWESQGAAGLKHVLETLESRGQILLRHIKHNLTFRDKDP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_177743

ORF Size: 1638 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).

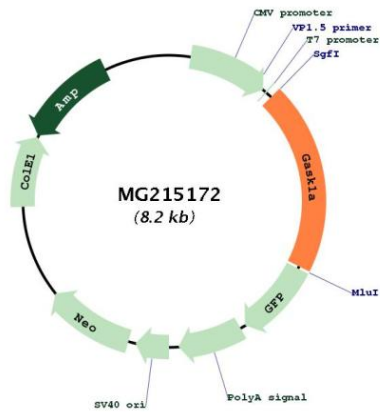
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_177743.4](#), [NP_808411.1](#)

RefSeq Size: 3622 bp

RefSeq ORF: 1641 bp
Locus ID: 245050
UniProt ID: [Q3UY90](#)
Cytogenetics: 9 F4

Product images:

Circular map for MG215172