

Product datasheet for **MG212836**

Fam169a (NM_001100458) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam169a (NM_001100458) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam169a
Synonyms:	B230112C05Rik; SLAP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG212836 representing NM_001100458
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCATTCCCTGTGGATTTGCTGGATAACTGCACGCATGAGGAATTGGAAAACCTTTCTGAGGATTACC
TCTCCAGCCTAAGGTGTGGGGACCCTGAACATCCAGAGTGCTTTTCTAGTCTCAACATTACGATTCCCGT
TAGTCTGTCAAATGTGGGCTTTGTCCCTCTCTATGGCGGCAATCAGACACAGAAAATTTCTGCTCTTTT
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GGAACAGTCTGAAGCGTCTCTGAGCACCTGGAACAGTTTACACAGTCAGCAGAGAAAGGTGTGGATAGC
AGCTCAGAGGAGATTGAAGTGAAGTTCCTGTAGTAGACAGGCGCAATCTGAGAAGAAAGGCCAAAGGGC
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

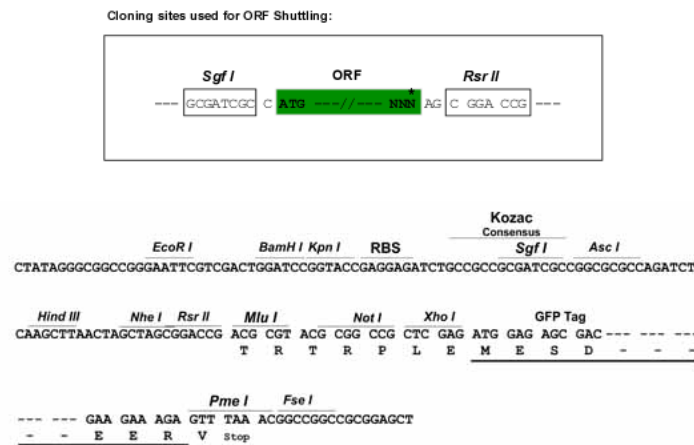
Protein Sequence: >MG212836 representing NM_001100458
 Red=Cloning site Green=Tags(s)

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 APEDSLTAVALYLVGQWAIIDDIKVTSEPSREGLKQVSTLGERVLYVLNRIIYRKQEMERNEIPFLCHS
 STDYAKILWKKGEAVGFYSVKPTGSLCASFLTQNYQLPVLDTMFIRKKYRGKDLGLHMLEDFVDSFTEDA
 LGLRYPLSSLMYTASKQYFEKYPGDHELLWEVEGVGHWHQRPVTRALQREAIKATDVSQYEATRPVSGE
 YGLAAVPEHEPGLDDTQSSSELQIHSLKDAFASTSEGPEKTPVSTRTRSSHLLKRPKIGKHFQDSEFSSSQG
 EDENVAKTSPTASVNKIEYAARTSESSEEFLEEPEQGVIDFEDESGDKDAQPALETQPRLQKQDGDKDS
 ALEPVNGEVMDAALKPSLTTEDEDSTSEGLEEDLKVPPFNSSGEPGNPVPLVAESSKVPEATLAKTSPDT
 DSEMLIDQSPSDDKGHTTEENLSPVSKKTLGSSDNVATVSNIEKSDGNFPNSVVPFPEEPVSNLSPN
 TTSSVEDQGEEGAPEAQEPSATQSSLIEVELEDAPFPQAGQKSQSEEQSEASSEHLEQFTQSAEKAVDS
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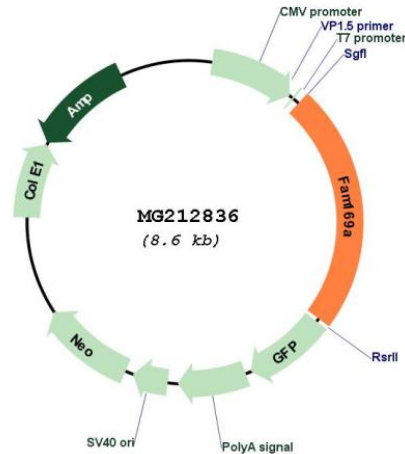
SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100458

ORF Size: 1995 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_001100458.1](#), [NP_001093928.1](#)

RefSeq Size: 4570 bp
RefSeq ORF: 1998 bp
Locus ID: 320557
UniProt ID: [Q5XG69](#)
Cytogenetics: 13 D1