

Product datasheet for **MG203251**

Fam192a (NM_028221) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam192a (NM_028221) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam192a
Synonyms:	1700001O11Rik; 2310065K24Rik; AI596259; Nip30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203251 representing NM_028221 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGGAGAGGACGATAGTAACCTTGTATCAAAAAGAGGTTTGTGTCTGAGGCAGAGCTAGATGAGC
GGCGCAAAGGAGGCAAGAAGAATGGGAGAAAGTGCAGAAACCAGAAGACCCAAAAGAATGTCCAGAGGA
GGCGTATGACCCTCGGTCTCTGTACGAACGGCTGCAGGAACAGAAAGACAGGAAGCAGCAGGAGTATGAG
GAGCAATTCAAATCAAACATGGTAAGAGGGTTAGACGAAGATGAGACCAACTCCTTGATGAGGTTT
CTCGGCAGCAGGAGCTGATAGAGAAGCAGCGCGAGAAGAAGACTAGAGGAAGTGAAGGAGTACAGAAG
TAATCTCAACAAGTTGGAATTTCTGCAGAAAATAAAGAAGTAGAGAAGAAGCTGGCCGTGAAACCCATA
GAAACCAAGAACAAGTTCTCCAGGCAAAGCTGTTGGCAGGAGCTGTGAAACATAAGAGCTCAGAGAGTG
GCAATAGTGTGAAGAGACTGAAACCAGACCCCGACCCAGATGACAAGGCTCAAGAGGCCCGTCTCGCAT
GTCTCTTGAAGCTCTTCTCTGAGCGGACCTCCCTCCATCCACTGCCCGTCGGCTGCTGTGTGCATCGGC
ATCCTCCCTGGCTTGGGCGCCTACTCTGGGAGCAGTGACTCCGAATCCAGTTCAGACAGTGAAGGCCCA
TCAATGCTACAGGAAGATCGTCTCCTCCATCTCCGAACCAACACCTTCTCGAGGCACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203251 representing NM_028221
Red=Cloning site Green=Tags(s)

MDGEDDSNLVIKKRFVSEAELDERRKRRQEEWEKVRKPEDPKCEPEEAYDPRSLYERLQEQQDKRQQEYE
 EQFKFKNMVRGLDEDETNFLDEVSRQQELIEKQRREEELEEELKEYRNLNKVGISAENKEVEKKLAVKPI
 ETKNKFSAKLLAGAVKHKSSSESGNSVKRLKPDPPDDKAQEPSCMSLGSSSLGSPPSIHCPAAVVCIG
 ILPGLGAYSGSSDSESSDSEGTINATGKIVSSI FRTNTFLEAP

TRTRPLE - GFP Tag - V

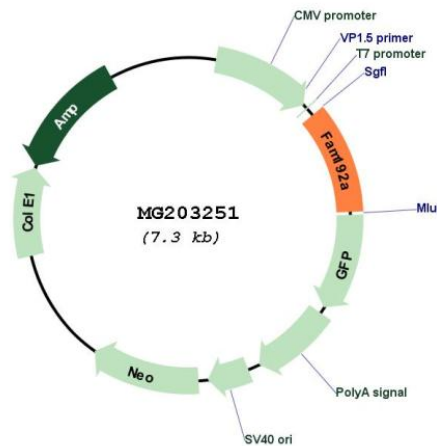
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_028221

ORF Size: 762 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:	<ol style="list-style-type: none">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_028221.4 , NP_082497.2
RefSeq Size:	2570 bp
RefSeq ORF:	765 bp
Locus ID:	102122
UniProt ID:	Q91WE2
Cytogenetics:	8 C5
Gene Summary:	Promotes the association of the proteasome activator complex subunit PSME3 with the 20S proteasome and regulates its activity. Inhibits PSME3-mediated degradation of some proteasome substrates, probably by affecting their diffusion rate into the catalytic chamber of the proteasome. Also inhibits the interaction of PSME3 with COIL, inhibits accumulation of PSME3 in Cajal bodies and positively regulates the number of Cajal bodies in the nucleus. [UniProtKB/Swiss-Prot Function]