

Product datasheet for **MG205533**

Fam131a (NM_133778) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam131a (NM_133778) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam131a
Synonyms:	2900046G09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205533 representing NM_133778 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTATGATTCTGTGCTGGGCAAAATGTTTCTGTGGCAGCGCGAAGGGCCTGGAGGACGATGGACTT
GTCAGACAAGTCGCAGAGTGGCTTCGGACCCTGCCTGGGCTGTGGAGTGGATCGAACTCCCTCGAGGTCT
CTCTCTGTCCCTGGGATCTGCTCGAACTCTCCGAGGCTGGAGTCGGTCCCCCGTCTTCTTCCGTG
GACAGCCAGGACTTGCCAGAGGTGAATGTTGGAGACACAGTCGCGATGCTGCCAAGTCCCGGAGAGCTC
TAACCATCCAGGAGATCGCTGCACTGGCCAGATCGTCCCTGCATGGTATTTCCAGGTAGTGAAGGACCA
CGTGACCAAGCCACAGCCATGGCCAGGGCCGTGTGGCTCACCTTATTGAATGGAAGGGCTGGAGCAAG
CCTAGTGACTCACCGGTGCTCTGGAATCAGCCTTTTCTCCTATTACAGACCTCAGTGAGGGTGAACAAG
AGGCTCGCTTTCAGCAGGAGTGGCCGAGCAGTTTGTATTGCAGAAGCCAAGCTCCGGGATGGTCTTC
AGTGGATGGTGTGACTCCACCGATGATTCTTACGACGAGGACTTTACTGGGGGAATTGACACAGACATG
GCTGGGCTCTGGGGTCCACCTCCAGGACCTTTCACAGGTCGTCGATTCTCCAGGCTGTGCCCAGG
GCTCTGTGGAGCCAGAGAGCGACTGTTACAGACCGTGTCCCAGATACCTGTGCTCTAGTCTGTGCAG
CCTGGAGGATGGGTTACTGGGCTCCCAGCCAGGATGACCTCCCAGCTGTTGGTGAAGAGCTGCTCCTT
GCCAGGTCGCCCCAGCCGGAAAGTGCCTTCCGAGCCTGGGTCCTTTGGAGGCCAGGACTCCCTTT
ACAACTACCGCTCTCAGAATCCTGCCTTTCCCTGCCGAGGAGGAGCCTGATTCCTGTAAGGACTGCCA
GCTGCTGTGCCGCTGCCACAGGCAGCTGGGAAAGACAGCAGCAAGTCTCTGATGTGGCCTCTTCTGG
GTGGTATCCTTAGATGAGGATGAGGTGGACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205533 representing NM_133778
 Red=Cloning site Green=Tags(s)

MPMISVLGKMFLWQREGPGGRWTCQTSRRVASDPAWAVEWIELPRGLSSSLGSARTLRGWSRSPRPSSV
 DSQDLPEVNVGDTVAMLPKSRRALTIQEIAALARSSLHGISQVVKDHVTKPTAMAQGRVAHLIEWKGWSK
 PSDSPAALLESFAFSSYSDLSEGEQEARFAAGVAEQFAIAEAKLRAWSSVDGDDSTDDSYDEDFTGGIDTDM
 AGPLGSHLQDLFTGRRFSRPVVRQGSVEPESDCSQTVSPDTLCSLLCSLEDGLLGSPARMTSOLLGEELL
 ARLPPSRESAFRSLGPLAQDSL YNSPLSECLSPAEEEPDSCCKDCQLLCPLPTGSWERQQVSDVASSG
 VVSLDEDEVDQ

TRTRPLE - GFP Tag - V

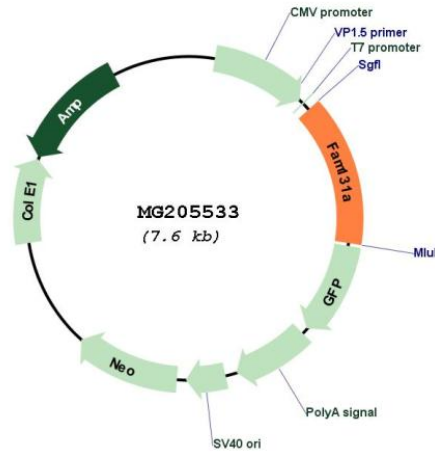
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133778

ORF Size:	1083 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_133778.2 , NP_598539.1
RefSeq Size:	2273 bp
RefSeq ORF:	1086 bp
Locus ID:	78408
UniProt ID:	Q8BWU3
Cytogenetics:	16 B1