

Product datasheet for **MG214288**

Fam46c (NM_001142952) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam46c (NM_001142952) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam46c
Synonyms:	4930431B09Rik; AI449797
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214288 representing NM_001142952 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGAGGAGGGCAGCAGTACCAAGGACTCTGAGTCCTTCAGCGTGCTCAACTGGGATCAGGTTAGCC
GGCTGCACGAGGTCCTGACTGAGGTCGTGCCCATCCACGGGCGAGGCAACTTTCCAACCTTGAGATAAC
CCTGAAGGACATTGTCCAGACTGTCGAGGCCGGCTGGAGGAGGCAGGCATCAACGTGCAGGACGTCGG
CTGAACGGCTCTGCAGCCGGCCACGTTTTGGTCAAAGACAACGGCTTGGGTTGCAAAGATCTGGATCTGA
TCTTTCACGTGGCTCTCCACAGAGGGGAATTCAGCTGGTGAGAGATGTGGTCTGTGCTCCCTTCT
GAACCTTCTGCCAGAGGGCGTGAATAAGCTCAAATCAGCCCCGTACCCCTGAAGGAGGGTACGTGCAG
AAGCTGGTGAAGGTTTGACAGACACAGACCGCTGGAGCCTGATTTCCCTCTCCAACAAGACGGGAGGA
ACGTGGAGCTCAAGTTTGTGACTCCATCCGGCGCAGTTTGAGTTCAGCGTGGACTCTTCCAGATCAT
CCTAGATTCTTGTCTTTTTCTATGACTGCTCCGGCAATCCCATCTCCGAGCATTTCCACCCACAGTG
ATCGGGGAGAGTATGTACGGGATTTTGAGGAAGCCTTTGACCATCTTCAGAACAGGCTGATCGCCACCA
AGAACCCTGAAGAAATCCGAGGTGGGGTCTCCTAAGTACAGCAACCTCCTGTGCGGGACTTCAGGCC
TGCCGACCAGGAGGAGATCAAGACCCTGGAGCGTTACATGTGCTCCAGATTTTTCATCGACTTCCCGGAC
ATCCTGGAACAGCAGAGGAAGCTGGAGACCTACCTTCAGAACCACTTCTCGGACGAGGAGAGAAGCAAGT
ACGACTACCTCATGATTCTCCGCAGGGTTGTGAACGAGAGCACCGTGTGCCTCATGGGGCACGAACGCAG
GCAGACCTGAACCTCATCTCTCTCCTGCCTTGCCTGTGCTGGCAGAACAAAACATCATCCCCAGTGCC
ACCAACGTACCTGTTACTACCAGCCAGCTCCTTACGTCACTGATGGCACTTCAACAACCTATTACATTG
CGCACCTCCAATTACCTACAGCCAGCCTTATCTACATGGCTGCCCTGTAAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



[View online »](#)

Protein Sequence: >MG214288 representing NM_001142952
 Red=Cloning site Green=Tags(s)

MAEESSTKDSSEFSVLNWDQVSRLHEVLTEVVPPIHGRGNFPTLEITLKDIVQTVRGRLEEAGINVQDVR
 LNGSAAGHYLVKDNGLGCKDLDFHVALPTEAEFQLVRDVVLCSSLNFLPEGVNLKISPVTLKEAYVQ
 KLVKVCCTDTRWLSLISLNKNGRNVLFVDSIRROQEFVSVDFQIILDSLLFFYDCSGNPISSEHFHPTV
 IGESMYGDFEEAFDHLQNRLIATKNPEEIRGGGLLKYSNLLVRDFRPADQEEIKTLERYMCSRFFIDFPD
 ILEQQRKLETYLQNHFSDEERSKYDYLMILRRVNESTVCLMGHERRQTLNLISSLALRVLAEQNIIPSA
 TNVTCYYPAPYVSDGNFNYYIAHPPITYSQPYPTWLPEN

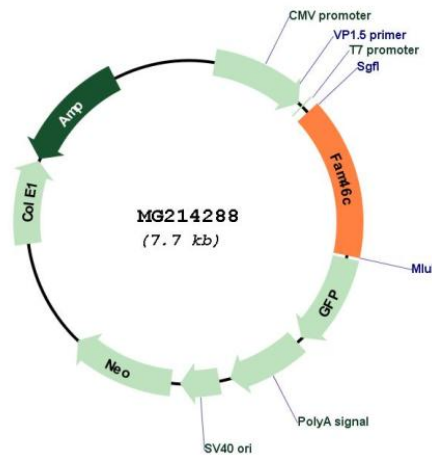
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001142952

ORF Size:	1173 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_001142952.1 , NP_001136424.1
RefSeq Size:	2054 bp
RefSeq ORF:	1176 bp
Locus ID:	74645
UniProt ID:	Q5SSF7
Cytogenetics:	3 F2.2
Gene Summary:	Nucleotidyltransferase that act as a non-canonical poly(A) RNA polymerase which enhances mRNA stability and gene expression. Mainly targets mRNAs encoding endoplasmic reticulum-targeted protein and may be involved in induction of cell death.[UniProtKB/Swiss-Prot Function]