

Product datasheet for **RG200769**

FAM110A (NM_001042353) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FAM110A (NM_001042353) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FAM110A
Synonyms: bA371L19.3; C20orf55; F10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200769 representing NM_001042353
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTGTGCACAGCTGAGCCCCGGAGCCCCGTCCGCCCGCCCTACCTTGCCGCTGCGGACCAGGG
 TCCCTGGTACCTGCTACGGGGCCGGCAGATGGTGGAGCCCGAAACCGAGCGCTGTGGAGCGCCTGGA
 GGCCGACAAGCCAAGTACGTCAAGAGCCTGCACGTGGCCAACACCCGCCAGGAGCCTGTGCAGCCCTG
 CTGTCAAACAGCCGCTTTCAGCCCTGAGACTCGCCGCACAGTCTCACGCCAGCCGCCGAGCCCTGC
 CTGGCCCCTGCCGACGGCCCCAGCTGGACTGGACATCCTCAGCAGCCTCATCGACTTGTGTGACAGCCC
 CGTGTCCCTGCCGAGGCCAGCCGACTCCTGGACGGGCCGAGGGAGCCGCCGTCTCCCCAGCCACC
 CCTCCGCGACCGCCAGTACCTCTGCGGTCCGCCGGGTGGACGTCCGCCCCCTGCCCGCTCGCCTG
 CCCGGCCCTGCCATCACCCGGCCCTGCCGCCCTCCAGCCAGCCCGCCGCCGGTTTGAACGCTC
 CAAGTCGGACTTGAGCGAGCGCTTTTCTAGGGCAGCCGCTGATCTCGAGCGCTTTTTAACTTCTGCGGC
 CTGGACCCGGAGGAGGCGAGAGGGTTGGGTGTGGCCACCTGGCACGGGCCAGCTCGGATATCGTGTCC
 TGGCAGGGCCAGTGCTGGCCGGCAGCTCTGAAGGGGGCTGCTCCGCCGAGCTCGGTGACTGTTGA
 GGAGCGGGCCCGGAGCGCTTCCCTATGGCGTGTGGTGGTGGAGCGCAATGCCCGCTGATCAAGTGG
 TTGATGGGCTAAGGCAGGCTCGGGAGAGCCAGCAGCTGAAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200769 representing NM_001042353
Red=Cloning site Green=Tags(s)

MPVHTLSPGAPSAPALPCRLRTRVPGYLLRGPADGGARKPSAVERLEADKAKYVKSLHVANTRQEPVQPL
 LSKQPLFSPETRRTVLTPSRRALPGPCRRPQLDLIDLSSLIDLCDSPVSPAESRTPGRAEGAGRPPAT
 PPRPPPSTSAVRRVDVRPLPASPAPPCSPGPAASSPARPPGLQRKSDLSERF SRAAADLERFFNFCG
 LDPEEARGLGVAHLARSSDIVSLAGPSAGPGSSEGGCSRRSSVTVEERARERVPYGVSVVERNARVIKW
 LYGLRQARESPAPEG

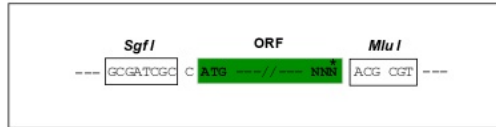
TRTRPLE - GFP Tag - V

Restriction Sites:

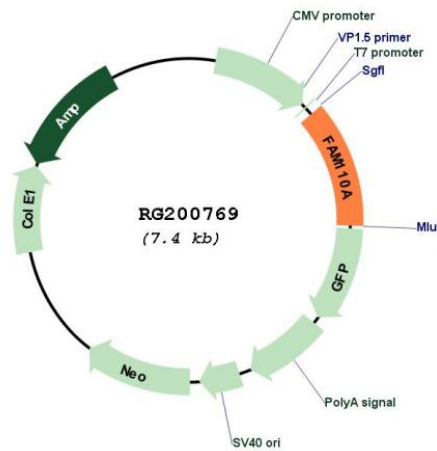
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001042353

ORF Size: 885 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_001042353.1 , NP_001035812.1
RefSeq Size:	1811 bp
RefSeq ORF:	888 bp
Locus ID:	83541
UniProt ID:	Q9BQ89
Cytogenetics:	20p13