

Product datasheet for **RG204584**

FAM110A (NM_031424) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG204584 representing NM_031424
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGTGCACACGCTGAGCCCCGAGCCCCGTCCGCCCCGCCCTACCTTGCCGCCTGCGGACCAAGG
TCCCTGGCTACCTGCTACGGGGGCCGAGATGGTGGAGCCCGAAACCGAGCGCTGTGGAGCGCCTGGA
GGCCGACAAGGCCAAGTACGTCAAGAGCCTGCACGTGGCCAAACCCGCCAGGAGCCTGTGCAGCCCCCTG
CTGTCCAAACAGCCGCTCTTCAGCCCTGAGACTCGCCGCACAGTGTCTACGCCAGCCGCCGAGCCCTGC
CTGGCCCCCTGCCGACGGCCCCAGCTGGACCTGGACATCCTCAGCAGCCTCATCGACTTGTGTGACAGCCC
CGTGTCCCCTGCCGAGGCCAGCCGCACTCCTGGACGGGCCGAGGGAGCCGGCCGTCTCCCCAGCCACC
CCTCCGCGACCGCCGCCAGTACCTCTGCGGTCCGCGGGTGGACGTCCGCCCCCTGCCCGCTCGCCTG
CCCGGCCCTGCCATCACCCGCCCTGCCGCCCTCCAGCCAGCCGCCGCCGGTTTGCAACGCTC
CAAGTCGGACTTGAGCGAGCGCTTTTCTAGGGCAGCCGCTGATCTCGAGCGCTTTTAACTTCTGCGGC
CTGGACCCCGAGGAGGCGAGAGGGTTGGGTGTGGCCACCTGGCACGGGCCAGCTCGGATATCGTGTCCC
TGGCAGGGCCAGTGTGGGCCGGGCAGCTCTGAAGGGGGTGTCCCGCCGAGCTCGGTGACTGTTGA
GGAGCGGGCCCGGAGCGCTTCCCTATGGCGTGTGGTGGAGCGCAATGCCCGCGTGATCAAGTGG
TTGTATGGGCTAAGGCAGGCTCGGAGAGCCAGCAGCTGAAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG204584 representing NM_031424
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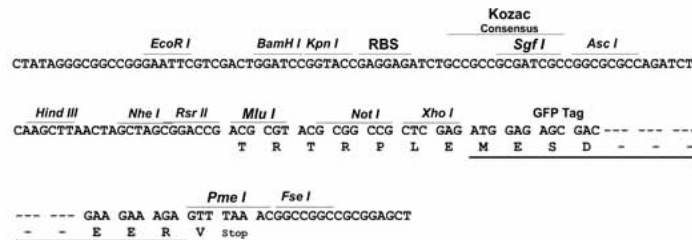
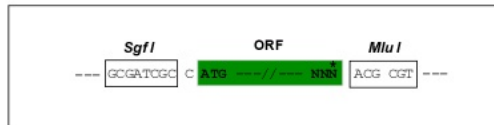
MPVHTLSPGAPSAPALPCRLRTRVPGYLLRGPADGGARKPSAVERLEADKAKYVKSLHVANTRQEPVQPL
LSKQPLFSPETRRITVLTPSRRALPGPCRRPQLDLIDLSSLIDLCDSVPSPAEASRTPGRAEGAGRPPPAT
PPRPPSTSAVRRVDVRPLPASPARPCSPGPAAASSPARPPGLQRKSDLSEFSSRAAADLERFFNFCG
LDPEEARGLGVAHLARASSDIVSLAGPSAGPGSSEGGCSRRSSVTVEERARERVPYGVSVVERNARVIKW
LYGLRQARESPAPEG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_031424

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_031424.4](#)

RefSeq Size: 1731 bp

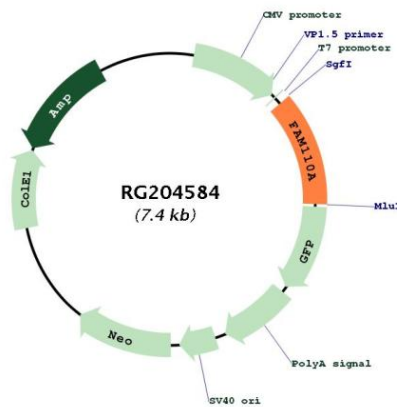
RefSeq ORF: 888 bp

Locus ID: 83541

UniProt ID: [Q9BQ89](#)

Cytogenetics: 20p13

Product images:



Circular map for RG204584