

Product datasheet for **RG224684**

FAM131A (NM_144635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM131A (NM_144635) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM131A
Synonyms:	C3orf40; FLAT715; PRO1378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224684 representing NM_144635 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCTGGCCACTTTGTCCTTTCTCCTCCCGTTTGCACATCCCTTTGGAAGTGTTCCTGTGAGTACA
TGCTGGGGTCTCCCCTTTCTCCCTTGCTCAGGTGAATCTCAGCCCTTCTCCACCCAAAGTTACAT
GGATCCTAACTACTGCCACCTTCCACCTCCCTGCACCTGTGCTCCCTGGCCTGGTCTTTACCAGGCTT
CTCCACCTCCCCTATCTCCAGTATTTCCAGGTGGTGAAGGACCACGTGACCAAGCCTACCGCCATGG
CCCAGGGCCGAGTGGCTCACCTATTGAGTGAAGGGCTGGAGCAAGCCGAGTGACTCACCTGCTGCCCT
GGAATCAGCCTTTTCTCCTATTTCAGACCTCAGCGAGGGCGAACAAGAGGCTCGCTTTCAGCAGGAGTG
GCTGAGCAGTTTGCCATCGCGGAAGCAAGCTCCGAGCATGGTCTTCGGTGGATGGCGAGGACTCCACTG
ATGACTCCTATGATGAGGACTTTGCTGGGGGAATGGACACAGACATGGCTGGGCAGCTGCCCTGGGGCC
GCACCTCCAGGACCTGTTACCGGCCACCGGTTCTCCCGCCTGTGCGCCAGGGCTCCGTGGAGCCTGAG
AGCGACTGCTCACAGACCGTGTCCCAGACACCCTGTGCTCTAGTCTGTGCAGCCTGGAGGATGGTTGT
TGGGCTCCCCGGCCCGGCTGGCCTCCAGCTGCTGGGCGATGAGCTGCTTCTCGCAAATGCCCCACG
CCGGAAAGTGCCTTCCGCAGCCTGGGCCACTGGAGGCCAGGACTCACTCTACAACCTGCCCCCACA
GAGTCTGCCTTTCCCCCGGGAGGAGGAGCCAGCCCCCTGCAAGGACTGCCAGCCTCTGCCACCAC
TAACGGGCAGCTGGGAACGGCAGCGCAAGCCTCTGACCTGGCCTTCTGGGGTGGTGTCTTAGATGA
GGATGAGGCAGAGCCAGAGGAACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG224684 representing NM_144635
 Red=Cloning site Green=Tags(s)

MFLATLSFLLPFAHPFGTVSCEYMLGSPLSSLAQVNLSPFSHPKVHMDPNYCHPSTSLHLCSLAWSFTRL
 LHPPLSPGISQVVKDHTKPTAMAQGRVAHLIEWKGWSKPSPSPAALSAFSSYSDLSEGEQEARFAAGV
 AEQFAIAEAKLRWSSVDGEDSTDDSYDEDFAGGMDTDMAGQLPLGPHLQDLFTGHRFSRPVRRQGSVEPE
 SDCSQTVSPDTLCSSLCSLEDGLLGPASRLASQLLGDELLLAKLPPSRESAFRSLGPLAQDSLINSPLT
 ESCLSPAEEEPAPCKDCQPLCPPLTGSWERQRQASDLASSGVVSLDEDEAEPEEQ

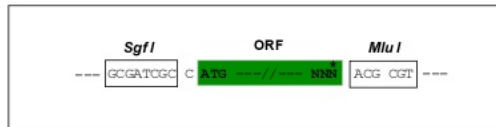
TRTRPLE - GFP Tag - V

Restriction Sites:

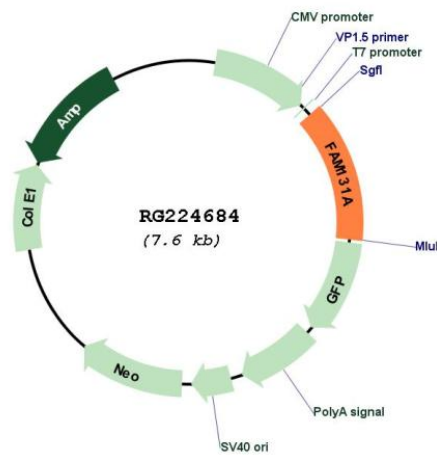
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_144635

ORF Size: 1005 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_144635.3 , NP_653236.2
RefSeq Size:	3680 bp
RefSeq ORF:	1101 bp
Locus ID:	131408
UniProt ID:	Q6UXB0
Cytogenetics:	3q27.1
Protein Families:	Secreted Protein