OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG206231

FAM47B (NM_152631) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM47B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG206231 ORF sequence, codon optimized.
Due to the complexity of NM_152631, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGACAGAAGACCACAGGACCGCCCTAGGTCCCAGGGAATGGATTCCAAGCCCTGGTACTGTGACA
AGCCTCCTAGCAAATACTTCGCGAAGAGGAAGCATAGAAGACTGAGGTTTCCGCCTGTCGACACTCAAAA
CTGGGTATTTGTGACGGAGGGGATGGATGATTTCCGGTATGCATGTCAGTCACCAGAAGACACTCTGGTC
TGTCGACGAGATGAGTTTCTCCTGCCAAAAATCAGCTTGCGGGGCCCTCAGGCCGACCGCAAAAGCCGCA
AGAAGAAGCTGCTTAAGAAAGCAGCTCTGTTTAGCGAGCTGAGCCCAGTGCAGCCTGCTCGAAAGGCCTT
TGTCGAGGAAGTAGAGGCCCAACTGATGACCAAGCACCCACTGGCAATGTATCCGAATCTTGGCAAAGAT
ATGCCTCCTGATCTGTTGCTGCAGGTGCTGAAGCAGCTCGATCCGGAGAGGAAGTTGGAAGACGCTTGGG
CCAGATGCGAGGCCCGCGAGAAAACCACAGAGGTGCCAACCGAATCAGGCAAGTACCCCTGTGGAGAAAG
CTGTCCTCGGCCCCCCGAGACTCCAGTGAGTAGACTGCGCCCCCAGCTCCCTAAGACGCCAGTCTCCAGT
AGGAGGCCCGAACCTCCTAAGACGCGGGTTTCATCCCTTCGGCCAGAACCTCCCAAGACCAGGGTCAGTA
GTCTGCATCCAGAGCCTCCTGAGACACGCGCATCTCATCTGAGGGTAGACCCACCAGAAACCGGCGTCTC
ACATCTGTGTCCGGAGCCCCCAAAGACCCTGGTGAGCAGCGTTCACCCCGAGCCACCTGATACCGGCGCC
TCCCATTTGTGCCCCGAACCCCCGGAAACACGGGTGAGTCATCTGCATCCTGAGCCGCCTGAGACAGGCG
TGTCCCACCTGAGGCCCGAGCCAAGCAAGACTCAGGTGTCTAGCCTCTGCCCTGAGCCTCCAGAGGCCGG
TGTCTCTCACCTCTGCCTGGAGCCCCCTAACACACATAGAGTTTCTAGCTTTCTTCTCCAGGTTCTTAAA
CTGGATTCAGAGAAGAAGCTGGAGGATGCCCGCGCGAGGTGCGAGGGACAAGAAATGACAACCGAAGAAC
TTACTAAACCAGGCAAGTACCACTTTTGGGAATCTTGCCCCAGGCCATTCGAAAGCAGGATGCCCCATCT
CAGACTGGTTCTGCCTATTACTCGCCGCATGGCCAGTCTGTGTCTGAAACCTCCTAAGACAAGAAGGGTG
AGCTCTCTGTGTCCAGAGCCGACAAAAACAGGGGCCTCCCATCTGAAGGAACTGTTCCAGGAAGATACAC
CATCAACAATGGAGTGTGTGTCCGATTCTCTGCAGCGGAGACACACGAGCAGAAAGCTTAGAGATTTCAA
GTGGGCCGGGGACCTTGGGGTAAACGAGGAATCTATCTCATCACTCTTTGACTTTACCCCGGAGTGTAGA
ACAACAGATCAGGACCAGAAAATCAAGAAGGCAAATGAGTGTGCTTCCAGACTCATGTATGGCATGGAAC
TCGACGATATGGATGAGGTCGAGTTTCTTCGGATCAAGTATTGGGATCGGAGGAGGAGGGCAGCGCCTCA
TTCTTACAGCGCGCAGCGCGGCCGAATCAGGTATGGACCTTGGTATTTCGAGCCTAAGCTGGGCAAAAAG
CTTCGGTCAGATGAACCCTTGATTGACCCAAAACCGGTGCTGGAGAAGCCTGATGAACCGGACATTCTCG
ATGGACTGTACGGACCCATCGCATTCAAGGACTTCATCCTCAGCAAAGGGTATCGGATGCCGGGGGTTAT
CGAGAAGCTCTTCGCGAAGAAGGGCTGGACATATGATAGCGTGAAGACTCCAATTCAGAGAGCCGTGCAG
GTCTACAAGTATAAGGAAGACGTTACTGACGCTAGCAAGGAGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

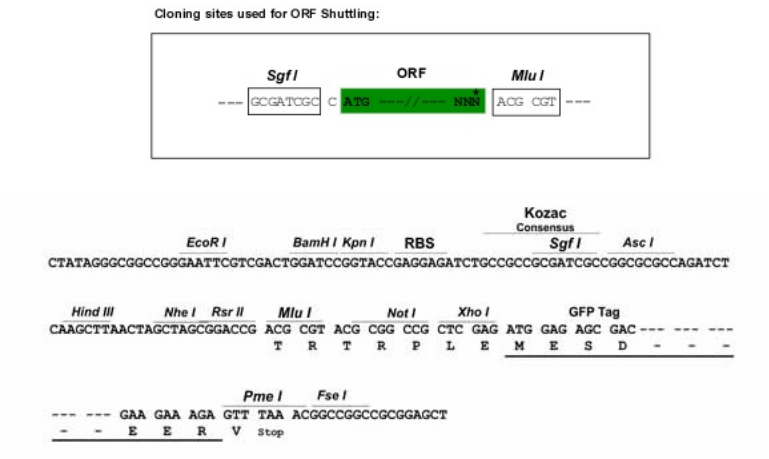
>RG206231 representing NM_152631
Red=Cloning site Green=Tags(s)

MGDRRPQDRPRSQGMDSKPWYCDKPPSKYFAKRKHRRLRFPPVDTQNWVFVTEGMDDFRYACQSPEDTLV
CRRDEFLLPKISLRGPQADRKSRKKKLLKKAALFSELSPVQPARKAFVEEVEAQLMTKHPLAMYPNLGKD
MPPDLLLQVLKQLDPERKLEDAWARCEAREKTTEVPTESGKYPCGESCPRPPETPVSRLRPQLPKTPVSS
RRPEPPKTRVSSLRPEPPKTRVSSLHPEPPETRASHLRVDPPETGVSHLCPEPPKTLVSSVHPEPPDTGA
SHLCPEPPETRVSHLHPEPPETGVSHLRPEPSKTQVSSLCPEPPEAGVSHLCLEPPNTHRVSSFLLQVLK
LDSEKKLEDARARCEGQEMTTEELTKPGKYHFWESCPRPFESRMPHLRLVLPITRRMASLCLKPPKTRRV
SSLCPEPTKTGASHLKELFQEDTPSTMECVSDSLQRRHTSRKLRDFKWAGDLGVNEESISSLFDFTPECR
TTDQDQKIKKANECASRLMYGMELDDMDEVEFLRIKYWDRRRRAAPHSYSAQRGRIRYGPWYFEPKLGKK
LRSDEPLIDPKPVLEKPDEPDILDGLYGPIAFKDFILSKGYRMPGVIEKLFAKKGWTYDSVKTPIQRAVQ
VYKYKEDVTDASKED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152631

ORF Size: 1935 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_152631.2, NP_689844.2

RefSeq Size: 2122 bp

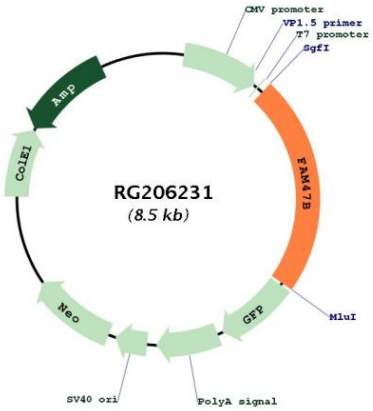
RefSeq ORF: 1938 bp

Locus ID: 170062

UniProt ID: Q8NA70

Cytogenetics: Xp21.1

Product images:



Circular map for RG206231