

Product datasheet for **RG206797**

FAM131C (NM_182623) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM131C
Synonyms:	Clorf117
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206797 representing NM_182623
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGCTCCTGCGTGTGCGGAGACCTGTTCAAGTGCCACAAGAACTGCCCCATGCCCCAGGGTGCGG
ACCCCTTGAACCCAGATCTGCCCTCGGGCCGCACTCCACCGTGGCTCCAGACTGTGTCAATTGGCAAGGA
CAAACAGATGGATTTCTGTTGGGATCCTTGGCAGAGGTGCTTCCAGACCACCAACGGCTACCTGTCCGAC
TCCAGGTCCCGCCCGGCAACTACAACGTGGCAGCCCTGGCCACCTCGTCCCTTGTGGGGTGGTGCAGA
GCATCAAGGACCACATCACAAGCCACGGCCATGGCCCAAGGCCGCGTGGCCACCTCATCGAGTGGA
GGGCTGGAGTGCCAGCGGGCAGGCTGGGAGCTGTCCCAGCTGAGGATGAGCATTACTGCTGCCTCCCG
GATGAGCTGCGTGAGGCCCGCTTTGCTGCAGGGTGCAGGAGCTTTGCCATCACAGAGGCCACACTGA
GCGCTTGGTCTCGCTGGACGAAGAGGAGCTGCACCCGAGAACAGCCCCAGGGCATCGTCCAGCTCCA
AGATCTGGAGAGCATCTACCTTCAGGACAGCCTTCCCAGTGGCCCTCACAGGATGACAGCCTTCAGGCC
TTCTCCTCGCCAGCCCTCCCTGACAGCTGTCCCTCACCTGAGGACCCCCAGCACCCTGGCATCC
CGCAGCCCCCAGCCAGAGCTGCAGCATCGCGGGCGGCTGCCGGGGCCCAAGGACCCGAGGGTGGGAC
CCACCCCCGGGCTCCCTCCCTCCATGGACAGCGGCTCCCTCTGGGAGGAGGACGAGGTGTTCTATAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG206797 representing NM_182623

Red=Cloning site Green=Tags(s)

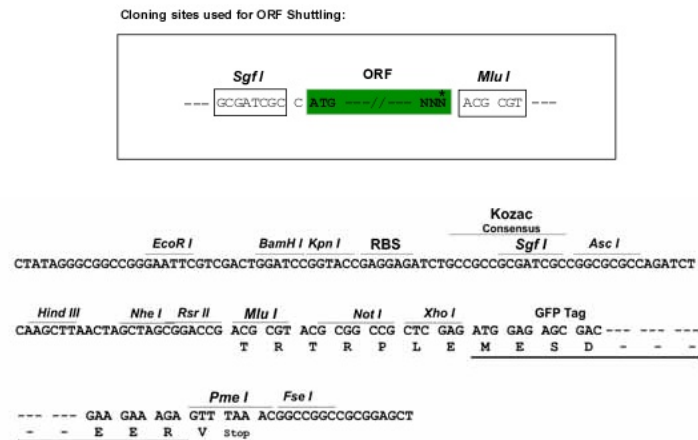
MGSCVSRDLFTSAHKNCMPQGADPLNPDLP SGRTP TVAPDCVIGKDKQMDFCWDPWQRCFQT TNGYLSDSRSRPGNYNVAALATSSLVGVVQSIKD HITKPTAMAQGRVAHLIEWKGWSAQRAGWELSPAED EHYCCLPDELREARFAAGVAEQFAITEATLSAWSS LDEELHPENSPQGI VQLQDLESIY LQDSLPSGPSQDDSLQA FSSPSPSPDSCSPEDPPSTAGIPQPPSPELQHRRRLPGAQPEGGTHPPGSLPSMDSGSLWEDEVFYN

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_182623

ORF Size:

840 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_182623.1](#), [NP_872429.1](#)

RefSeq Size: 1740 bp

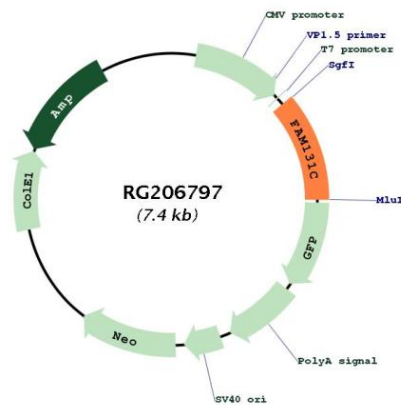
RefSeq ORF: 843 bp

Locus ID: 348487

UniProt ID: [Q96AQ9](#)

Cytogenetics: 1p36.13

Product images:



Circular map for RG206797