

Product datasheet for RC229822

FAM131A (NM_001171093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM131A (NM_001171093) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM131A
Synonyms:	C3orf40; FLAT715; PRO1378
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229822 representing NM_001171093 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCAAGTCCCGGCGAGCCCTAACTATCCAGGAGATCGCTGCGCTGGCCAGGTCCTCCCTGCATG
GTATTTCCAGGTGGTGAAGGACCAGTGACCAAGCCTACCGCCATGGCCAGGGCCGAGTGGCTCACCT
CATTGAGTGAAGGGCTGGAGCAAGCCGAGTGACTCACCTGCTGCCCTGGAATCAGCCTTTCTCCTAT
TCAGACCTCAGCGAGGGCGAACAAGAGGCTCGCTTTCAGCAGGAGTGGCTGAGCAGTTTCCATCGCGG
AAGCCAAGCTCCGAGCATGGTCTTCGGTGGATGGCGAGGACTCCACTGATGACTCCTATGATGAGGACTT
TGCTGGGGGAATGGACACAGACATGGCTGGCAGCTGCCCTGGGGCCGACCTCCAGGACTGTTCAAC
GGCCACCGTTCTCCCGCCTGTGCGCCAGGGCTCCGTGGAGCCTGAGAGCGACTGCTCACAGACCGTGT
CCCCAGACACCCTGTGCTCTAGTCTGTGCAAGCTGGAGGATGGGTTGTTGGGCTCCCCGGCCCGGCTGGC
CTCCCAGCTGCTGGGCGATGAGCTGCTTCTCGCCAAACTGCCCCAGCCGGAAAGTGCCTTCCGAGC
CTGGGCCACTGGAGGCCAGGACTCACTCTACAACTCGCCCCTCACAGAGTCTGCCTTTCCCCCGCG
AGGAGGAGCCAGCCCCCTGCAAGGACTGCCAGCCACTCTGCCACCACTAACGGGAGCTGGGAACGGCA
GCGGCAAGCCTTGACCTGGCCTCTTCTGGGGTGGTGTCTTAGATGAGGATGAGGCAGAGCCAGAGGAA
CAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC229822 representing NM_001171093
 Red=Cloning site Green=Tags(s)

MLPKSRRALTIQEIAALARSSLHGISQVVKDHVTKPTAMAQGRVAHLIEWKGWSKPSDSPAALSAFSSY
 SDLSEGEQEARFAAGVAEQFAIAEAKLRAWSSVDGEDSTDDSYDEDFAGGMDDMAGQLPLGPLHQLDFT
 GHRFSRPVVRQGSVEPESDCSQTVPDTLCSLCSLEDGLLGSPARLASQLLGDELLLAKLPPSRESAFRS
 LGPLEAQDSL YNSPLTESCLSPAEEEPAPCKDCQPLCPPLTGSWERQRQASDLASSGVVSLDEDEAEPEE
 Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001171093

ORF Size: 843 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.

RefSeq: [NM_001171093.1](#), [NP_001164564.1](#)

RefSeq ORF: 846 bp

Locus ID: 131408

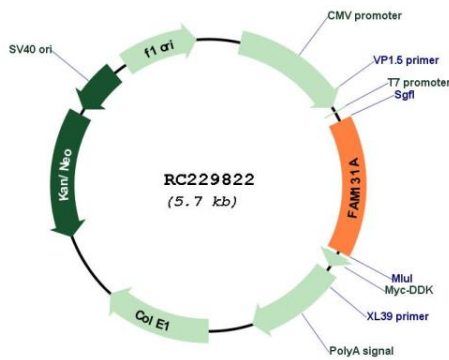
UniProt ID: [Q6UXB0](#)

Cytogenetics: 3q27.1

Protein Families: Secreted Protein

MW: 30.6 kDa

Product images:



Circular map for RC229822