

Product datasheet for **RC225530**

FAM118A (NM_001104595) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM118A
Synonyms:	C22orf8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225530 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCACTGGAAAAGACAACAATAGAAGTGAACAAAAATCCAGAAAGTTTAAAAAGCCTCATCC
GCAAAACAGCCCCAGGAAGTCTCTGGTTATCGGGACTGGCGTCAGCGCAGCAGTGGCCCCGGAATCCC
TGCCCTTTGCTCGTGGAGAAGTGCATCGAGGCCGTCATCGAGGCTGCAGAGCAGCTGGAGGTGCTGCAC
CCCGGAGACGTCGCCGAGTCCGGAGGAAAGTGACAAAGGACCGGGACCTGTTGGTTGTCGCCCATGATC
TGATCCGGAAGATGTCACCTCGCACAGGCGATGCCAAGCCAGCTTCTCCAGGACTGCCTGATGGAGGT
GTTTGACGACCTGGAGCAGCACATCCGGAGTCTCTGGTGCTGCAGTCGATCCTCAGCCTGATGGACAGA
GGCGCCATGGTCTGACCACCAACTATGACAACCTGCTGGAGGCCCTTGGCCGGCGGCAGAACAGCCCA
TGGAGTCCCTGGACTTGAAGGACAAGACCAAGTCTTGAATGGGCAAGAGGGCACATGAAGTACGGCGT
CCTCCACATTCACGGCCTCTACAGGGACCCCTGCGGGGTGGTCTGGACCCATCGGGGTATAAAGACGTC
ACTCAAGACGACAGTCAAGTCAAGTCTCCAGAACTTATACCGCACCAAGTCTTTCTGTTGTGGGCT
GTGGGGAGACCCCTCATGATCAGATATCCAGGCCCTCTTTCTTTACTCCGTGCCGAATAAGGTGGATTT
GGAGCACTACATGCTTGTGCTGAAGGAGAATGAAGACCATTTCTTAAGCATCAGGCAGATATGCTTCTG
CACGGAATCAAAGTTGTATCCTACGGGGACTGTTTGGACCACTTCCAGGATATGTGCAAGACCTTGCCA
CTCAGATCTGCAAACAGCAAAGCCAGATGCTGATCGCGTGGACAGCACCACATTATTGGGTAAATGCATG
CCAGGACTGTGCAAAGAGGAAGTTAGAAGAGAATGGAATTGAAGTTTCAAAAAACGCACACAATCAGAT
ACTGATGATGCTGGAGGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225530 protein sequence
Red=Cloning site Green=Tags(s)

MDSVEKTTNRSEQKSRKFLKSLIRKQPQELLLVIGTGVSAAVAPGIPALCSWRSCIEAVIEAAEQLEVLH
PGDVAEFRKVTKDRDLLVVAHDLIRKMSPTGDAKPSFFQDCLMEVFDLEQHRSPLVLQSILSLMDR
GAMVLTTNYDNLLEAFGRQRNKPMSLDLKDGTKVLEWARGHMKYGVLIHGLYRDPGCVVLDPSGYKDV
TQDAEVMVLQNLVYRKSFLFVGCGETLHDQIFQALFLYSVPNKVDLEHYMLVLKENEDHFFKHQADMLL
HGKVVVSYGDCFDHFPYVQDLATQICKQQSPDADRDVSTLLGNACQDCAKRKLEENGIEVSKKRTQSD
TDDAGGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

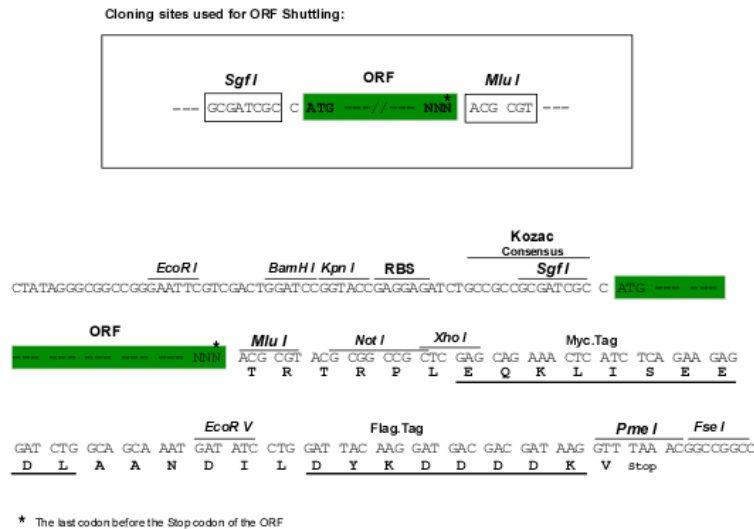
Chromatograms:

https://cdn.origene.com/chromatograms/mk6304_g02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

NM_001104595

ORF Size:

1071 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_001104595.2](#)

RefSeq Size: 3255 bp

RefSeq ORF: 1074 bp

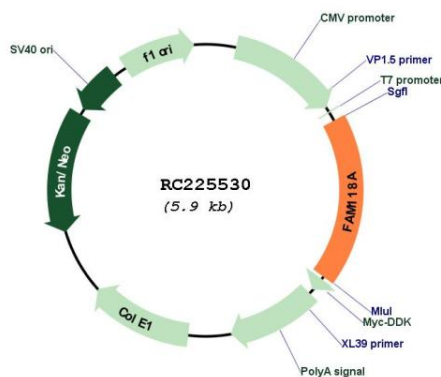
Locus ID: 55007

UniProt ID: [Q9NWS6](#)

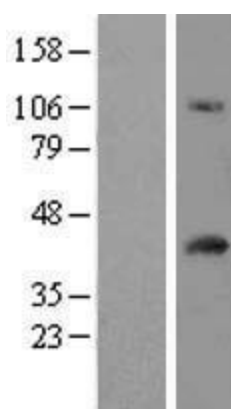
Cytogenetics: 22q13.31

MW: 40.3 kDa

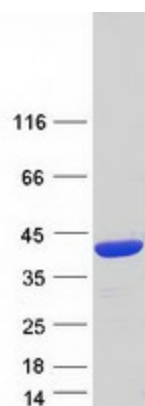
Product images:



Circular map for RC225530



Western blot validation of overexpression lysate (Cat# [LY426209]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225530 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM118A protein (Cat# [TP325530]). The protein was produced from HEK293T cells transfected with FAM118A cDNA clone (Cat# RC225530) using MegaTran 2.0 (Cat# [TT210002]).