

Product datasheet for **RC225418**

FAM71F2 (NM_001128926) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM71F2
Synonyms:	FAM137B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225418 representing NM_001128926
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTAAATCAGGGGCTCCACCTGAGGTCAGGGAACAGGCCCTGGAGTGGAACCTGGGGTGAAA
ATGGCCTTCTTTGTCAACTGATTCTCTCAGAATCAATTTGTTCTCAACTCGGTGGTGGTTGAAAG
CACTTTATCCAGGTCCTAAGCCCGGGAAGTGGAGAGATGTCTGTGAAGGGTCTGCCACCGTGATCCTC
GGGGTCACCTCCTCGGTGCCCTCCCTGCCACTCCCAATGTCCTCCTGATGGCCAATGTTACCTGGCCCC
AGGGTCCATTTACCACCTGGAGCACACCTGGTGACGCCCCAGTCATCAACCTCAGCAGGCTTCTCCCCCT
GAAGTACGTGGAGCTACGAATCTACGACCGGCTCCAGCGCATCCTGAGGGTTAGGACAGTGACCGAAAAG
ATCTACTATCTGAAGCTCCACGAAAAACCCAGAGATTGTGTTTCAATCTGGGTCCGCTTGGTGAAAA
TTCTGCAGAAAGGCTGTCCATCACCAAAAGACCCGAGAATCAAATCACTCACTGCCTGGTGCCAA
GATGCCACCAACTCCACAGAAACACCTGAAAACAGCCTCCTGTATCCCCCAGCCAGCGAGGCC
CTCGTGCTGCTGGCGGCTGAGCAGACCAAGTGGCAGTTTCTCACAGCTCTCAGGAAAGCCCCAGCTCACAG
CAGACAGGAACAATGACACTGCCATTGAAATAGCAACTGCAGCAGCTACAAGATACCTCTCCAGTGGC
ATCTCAATCAATTTGAATATACCATGAGAGCTGCCTTGAGCCACAGCCTCTGGGAACAAGAGGACTGG
AATGAGCACCTTCTACAAGTTATATAGCCAGTTACCTAGGAGAGCACTTCTTGGGAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTAA



Protein Sequence:

>RC225418 representing NM_001128926

Red=Cloning site Green=Tags(s)

MSKIRGLPPEVREPGPGVELGVENGLLCQLIHSPEFNLFNSNVVFESNFIQVTKPGNWRDVCEGSATVIL
GVTSSVPSLPLPNVLLMANVTWPQGPFTTWSTPGDAPVINLSRLPLKYVELRIYDRLQRILRVRTVTEK
IYYLKLHEKHPEIVFQFWRLVKILQKGLSITTKDPRIKFTHCLVPKMPTNSTETTPENSLSSPQPSEP
LVLLAAEQTSGSFSQLSGKPQLTADRNNDAIEIDNCSSYKIPSPVASPINLNIPMRAALSHSLWEQEDW
NEHLLQVHIASYLEHFLGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1496_e08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001128926

ORF Size:

900 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_001128926.3](#), [NP_001122398.1](#)

RefSeq ORF: 903 bp

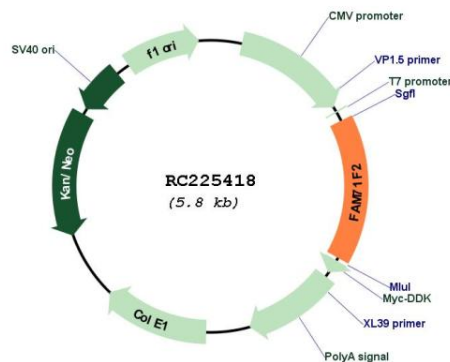
Locus ID: 346653

UniProt ID: [Q6NXP2](#)

Cytogenetics: 7q32.1

MW: 33.3 kDa

Product images:



Circular map for RC225418

□

Western validation with an anti-DDK antibody
 * L: Control HEK293 lysate R: Over-expression lysate