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Product datasheet for RC225126

FAM72A (NM_001123168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM72A
Synonyms:	LMPIP; p17; Ugene
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC225126 representing NM_001123168
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTACCAACATTTGTAGTTTCAAGGACAGGTGCGTGTCCATCCTGTGTTGCAAATTCTGTAAACAAG
TGCTCAGCTCTAGGGGAATGAAGGCTGTTTTGCTGGCTGATACTGAAATAGACCTTTTCTCTACAGACAT
CCCTCCTACCAACGCAGTGGACTTCACTGGAAGATGCTATTTCACCAAAATCTGCAAATGTAAACTGAAG
GACATCGCATGTTTAAAATGTGGGAACATTGTAGGTTATCATGTGATTGTTCCATGTAGTTCCTGTCTTC
TTTCCTGCAACAACGGACACTTCTGGATGTTTCACAGCCAGGCAGTTTATGATATTAACAGACTAGACTC
CACAGGTGTAAACGTCCTACTTTGGGGCAACTTGCCAGAGATAGAAGAGAGTACAGATGAAGATGTGTTA
AATATCTCAGCAGAGGAGTGTATTAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225126 representing NM_001123168
Red=Cloning site Green=Tags(s)

MSTNICSFKDRCVSILCCKFCKQVLSSRGMKAVLLADTEIDLFSTDIPPTNAVDFTGRCYFTKICKCKLK
DIACLKCGNIVGYHVIVPCSSCLLSCNNGHFWMFHSQAVYDINRLDSTGVNVLLWGNLPEIEESTDEDVL
NISAEECIR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1456_b03.zip

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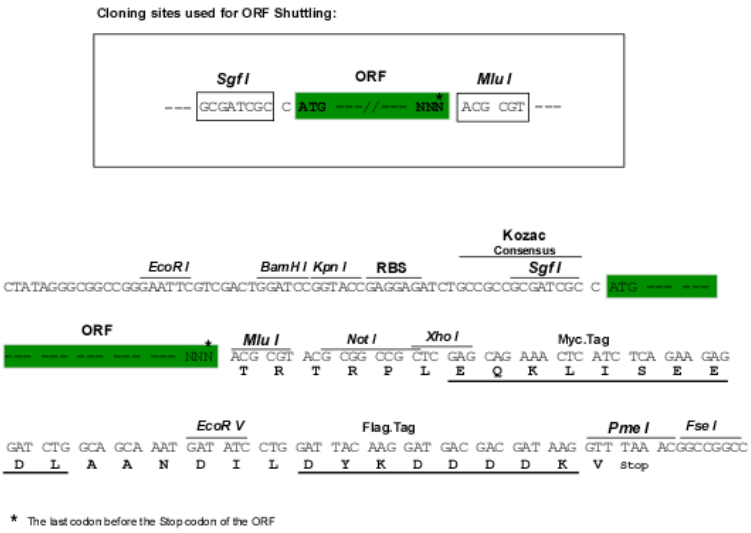
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001123168

ORF Size: 447 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.

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RefSeq: NM_001123168.2, NP_001116640.1

RefSeq ORF: 450 bp

Locus ID: 729533

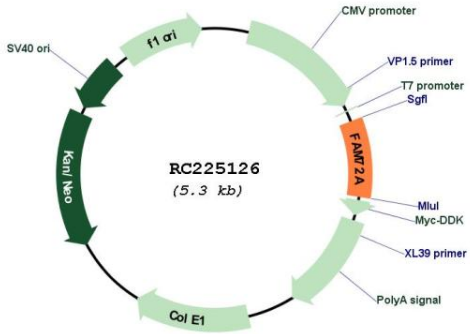
UniProt ID: Q5TYM5

Cytogenetics: 1q32.1

MW: 16.4 kDa

Gene Summary: May play a role in the regulation of cellular reactive oxygen species metabolism. May participate in cell growth regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225126

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

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