Product datasheet for **RC236069**

**FAM72C (NM_001287385) Human Tagged ORF Clone**

**Product data:**

- **Product Type:** Expression Plasmids
- **Product Name:** FAM72C (NM_001287385) Human Tagged ORF Clone
- **Tag:** Myc-DDK
- **Symbol:** FAM72C
- **Synonyms:** RP5-998N21.9
- **Vector:** pCMV6-Entry (PS100001)
- **E. coli Selection:** Kanamycin (25 ug/mL)
- **Cell Selection:** Neomycin
- **ORF Nucleotide Sequence:**

```
>RC236069 representing NM_001287385
Red=Cloning site Blue=ORF Green=Tags(s)
TTTTGTAATACGACTATAGGGCGGCCGGAATTCGACTTGCCGCCGGTGACCGAGGAGATCTGCCGACCGAGGAGATCTGCCG
GCCGCCATGC
ATGTCACCAACCCATTTGTAGTTTCAAGAAGCAGGTGCTGCATCTCGTGGTGAATAGACCTTTTTCTCTACGACATCGCACCTACCAGAGATCTTCGAGTATTTTCCCCAATCTCGCAAAATGAACTGAGGACCATGCAGATGTTAAAAATGTCGAACATTGTAATTTATCATGTAATGTTCCATGATGTTCCTCGTCTTC
TTTCTGCAAACACACAGACTCTCTGAGATTTTCACTACAGCAGCAGCTGTATTGAATATCTCAGAGAGATCTATTAGATA
ACCGCTACGCCGCCGCTCAGACAGAAACTCATCTCATAGAAGGCTGCTGGTAAAGAGAATGATATCCTGGATTACAGACGAGATAAG
GTGACGATAGGAATAAG

Protein Sequence:**

```
>RC236069 representing NM_001287385
Red=Cloning site Green=Tags(s)
MSTNICSFKDCRVSILCCKFCOVLSSRGKM4VLLADTEIDLFDSTIPNVTADFGYFTKICKCLKIDIAKLCGIVYVHYVIVPCSSCLSCNNRHFWMFHSQAYDIVINRLSTGVNVLRLNGLEIEESTDEVL

Restriction Sites:**

- **SgfI-MluI**

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Cloning Scheme:

```
Cloning sites used for ORF Shuttling:

SgII  ORF  Mlu I
---  CCCCCTGGG  TACGCTAACTTACGGTGGC

EcoRI  BamHI  KpnI  RBS

Mlu I  Not I  Xho I

PCR

Fam tag

EcoRV

Fng tag

Pme I  Fse I

D  L  A  N  D  D  D  K  L  K  V

* The last codon before the stop codon of the ORF
```

Plasmid Map:

```
RC236069
(5.3 kb)

ORF promoter

XII primer

PolyA signal
```

ACCN: NM_001287385

ORF Size: 447 bp
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

RefSeq: NM_001287385.1, NP_001274314.1
RefSeq Size: 2338 bp
RefSeq ORF: 450 bp
Locus ID: 554282
Cytogenetics: 1q21.1
MW: 17.2 kDa

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