

Product datasheet for **RC239614**

FAM48A (SUPT20H) (NM_001278480) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM48A (SUPT20H) (NM_001278480) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM48A
Synonyms:	C13; C13orf19; FAM48A; FP757; P38IP; SPT20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239614 representing NM_001278480
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCAACAAGCTTTAGAAGCTAGCTTTGGATCGTGCAGAGTATGTCATTGAAAGTGCCCGACAGAGACCTC
 CTAAAAGGAAATACCTATCAAGTGAAGAAAATCTGTATTTCAAAAACCTTATGACTTGTATATTGAAGA
 ATGTGAAAAAGAACCTGAAGTTAAGAAATTAAGAAGAAATGTGAAGTGTAGAGAAAGCTTGTATGCAA
 GAGACTTTGTCATGTTTAGTGGTCAATCTATACCCAGGAAATGAGGGATATTCTCTGATGCTCAGGGGAA
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 AGAAGAATTACCTCCTATTTGGTTGATCTCTAGAAAAATCTCAGGTTAATATTTTTCATTGCGGATGT
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 GTCAAGATGTACACAGCTCCAGTGGCTCAGCCAGTCTGAGTCAGGTTTCTCCAGGGAAGAAACAGATC
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 GCACAAACAGCTCAGCTACATCATCATCGGCATACAGGCAGCCAGTCAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239614 representing NM_001278480
 Red=Cloning site Green=Tags(s)

MQQALELALDRAEYVIESARQPPKRYLSSGRKSVFQKLYDLYIEEKEPEVKKLRRNVNLEKLVMQ
 ETL SCLVNL YPGNEGYSMLRGKNGSDSETIRLPYEEGELLEYLDAEELPPILVDLLEKSQVNI FHC GC
 VIAEIRDYRQSSNMKSPGYQSRHILLRPTMQTLICDVHSITSDNHKWTQEDKLLLESQ LILATAEPLCLD
 PSIAVTCTANRLLYNKQKMNTRPMKRCFKRYSRSSLNRQQDL SHC P P P P Q L R L L D F L Q K R K E R K A G Q H Y D
 LKISKAGNCVDMWKRSPCNLAIPSEVDVEKYAKVEKSIKSDDSQPTVWPAHDVKDDYVFECEAGTQYQKT
 KL T I L Q S L G D P L Y Y G K I Q P C K A D E E S D S Q M S P S H S T D D H S N W F I I G S K T D A E R V V N Q Y Q E L V Q N E A K C P
 VKMSHSSSGSASLSQVSPGKETDQTETVSVQSSVLGKGVKHRPPPIKLPSSSGNSSSGNYFTPQQTSSFL
 KSPTPPSSKPSIPRKSSVDLNQVSMLSPAALSPASSQSRGTPKPTPTPTPSSTPHPPDAQSSTPST
 PSATPTPQDSGFTPQPTLLTQFAQQQRSLSQAMPVTTIPLSTMVTSITPGTTATQVMANSAGLNFINVVG
 SVCGAQALMSGSNPMLGCNTGAITPAGINLSGLLP SG L L P N A L P S A M Q A A S Q A G V P F G L K N T S S L R P L N
 LLQLPGGSLIFNTLQQQQQLSQFTPQQPQQPTTCSPPQPGEQGSEQGSTSQEQALSAQQAAVINLTGVG
 SFMQSQA AA V A I L A A S N G Y G S S S T N S S A T S S S A Y R Q P V K K

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278480

ORF Size: 2433 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_001278480.1](#), [NP_001265409.1](#)

RefSeq Size: 3136 bp

RefSeq ORF: 2436 bp

Locus ID: 55578

UniProt ID: [Q8NEM7](#)

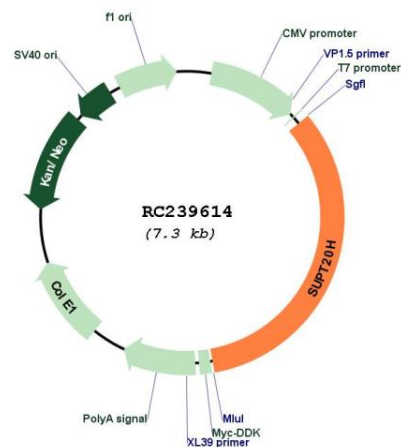
Cytogenetics: 13q13.3

Protein Families: Transcription Factors

MW: 88.5 kDa

Gene Summary: Required for MAP kinase p38 (MAPK11, MAPK12, MAPK13 and/or MAPK14) activation during gastrulation. Required for down-regulation of E-cadherin during gastrulation by regulating E-cadherin protein level downstream from NCK-interacting kinase (NIK) and independently of the regulation of transcription by FGF signaling and Snail (By similarity). Required for starvation-induced ATG9A trafficking during autophagy.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239614