

Product datasheet for **RG205191**

FAM48A (SUPT20H) (NM_001014286) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM48A (SUPT20H) (NM_001014286) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM48A
Synonyms:	C13; C13orf19; FAM48A; FP757; P38IP; SPT20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG205191 representing NM_001014286
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCAACAAGCTTTAGAACTAGCTTTGGATCGTGCAGAGTATGTCATTGAAAGTGCCCGACAGAGACCTC
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

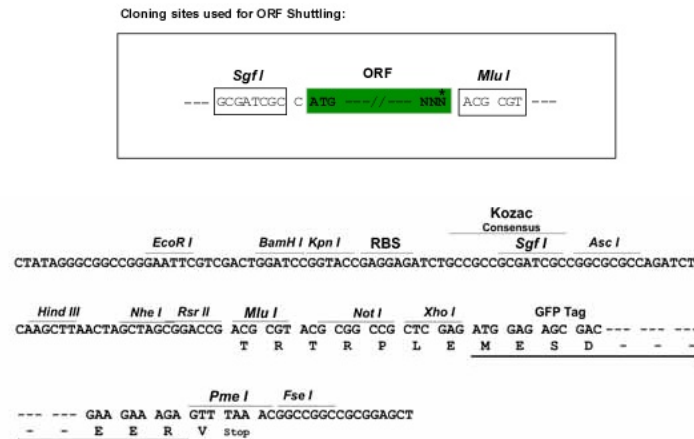
Protein Sequence: >RG205191 representing NM_001014286
 Red=Cloning site Green=Tags(s)

MQQALELALDRAEYVIESARQRPKRYLSSGRKSVFQKLYDLYIEECEKEPEVKKLRRNVNLEKLVMQ
 ETL SCLVNL YPGNEGYSMLRGKNGSDSETIRLPYEEGELLEYLDAEELPPI LDLEKSQVNI FHC GC
 VIAEIRDYRQSSNMKSPGYQSRHILLRPTMQTLICDVHSITSDNHKWTQEDKLLLESQILATAEPLCLD
 PSIAVTCTANRLLYNKQKMNTRPMKRCFKRYSRSSLNRQQDL SHCPPPPQLRLDLQKRKERKAGQHYD
 LKISKAGNCVDMWKRSPCNLAIPSEVDVEKYAKVEKSIKSDDSQPTVWPAHDVKDDYVFECEAGTQYQKT
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 KSPTPPSSKPSIPRKSSVDLNQVSM SPAAL SPASSSQRTTATQVMANSAGLNFINVVGSVCGAALM
 SGSNPM LGCNTG AITPAGINL SGLLP SGGLLPNALPSAMQAASQAGVPFGLKNTSSLRPLNLLQLPGGSL
 IFNTLQQQQQLSQFTPQQPQQPTTCSPPQGEQGEQGSTSQEQALSAQQA VINLTGVGSFMQSQA AV
 LSQ LGSVENRPEQSLPQQRFLSSAFQQQQQIQQLRFLQHQMAAAAAAQT AQLHHHRHTGSQSKSKMK
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TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001014286

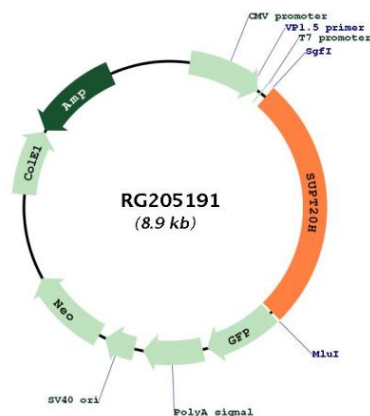
ORF Size: 2337 bp

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:	<u>NM_001014286.1, NP_001014308.1</u>
RefSeq Size:	3003 bp
RefSeq ORF:	2340 bp
Locus ID:	55578
UniProt ID:	<u>Q8NEM7</u>
Cytogenetics:	13q13.3
Protein Families:	Transcription Factors
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 RG205191