

Product datasheet for **SC337508**

FAM48A (SUPT20H) (NM_001278480) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM48A (SUPT20H) (NM_001278480) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278480, the custom clone sequence may differ by one or more nucleotides

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ATGCAACAAGCTTTAGAACTAGCTTTGGATCGTGCAGAGTATGTCATTGAAAGTGCCCGACAGAGACCTC
CTAAAAGGAAATACCTATCAAGTGGAAGAAAATCTGTATTTCAAAAACCTTATGACTTGTATATTGAAGA
ATGTGAAAAAGAACCTGAAGTTAAGAAATTAAGAAGAAATGTGAACCTGTTAGAGAAGCTTGTATGCAA
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AGAAGAATTACCTCCTATTTTGGTTGATCTCTAGAAAAATCTCAGGTTAATATTTTTCATTGCGGATGT
GTCATAGCAGAAATACGTGACTACAGGCAGTCCAGTAACATGAAATCTCCTGGTTACCAAAGTCGGCACA
TTCTCTTACGTCCAACAATGCAGACTTTAATTTGTGATGTACATTCAATAACAAGTGATAACCAAAATG
GACCCAGGAAGACAACTTTTGTGAGAGCCAGCTCATCCTAGCTACAGCTGAACCACTCTGTCTTGAT
CCTTCTATAGCAGTCACCTGCACTGCAACAGACTGCTCTATAACAAGCAAAAGATGAACACTCGCCCAA
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TCTCCTCAGCTGAGGTTACTTGATTTCTTACAAAAAGAAAGGAAAGAAAGCAGGTGAGCATTATGAC
CTCAAAATTTCTAAGGCAGGAAATTGTGTAGATATGTGGAACGGAGTCCCTGTAAATTTGGCCATACCTT
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AAATCTCAACTCCTCCTCTTCTTAAGCCATCAAGTATTCCTCGGAAATCATCTGTGGATCTCAATC
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CCTTCAGCCACCCCTACTCCCAAGATTCAGGCTTCAACCCTCAGCCACTTTGTTAACTCAGTTTGCTC
AGCAGCAAAGGTCTCTGAGCCAGGCAATGCCTGTAACAACCATTCCTCTTCCACCATGGTAACATCTAT
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TCTGTTTGTGGGGCCAGGCTTTGATGAGTGGTTCAAACCCCATGCTGGGCTGTAACTGCTGCCATAA
CTCCTGCAGGAATAAACCTGAGCGGCCTTCTACCTCAGGAGGTCTGCTACCAAAATGCACTGCCAGTGC
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CTACTCCAGCTTCCAGGTGGTTCATTTATTTTAACTCTGCAGCAGCAGCAACAGCAGCTCTCCAGT
TTACACCACAACAACCTCAGCAGCCACAACCTGTAGTCTCAACAGCCAGGGGAGCAGGGTTCTGAGCA
AGGTTCAACAGTCAAGAACAGGCCCTTATCTGCTCAGCAAGCTGCTGTTATTAACCTTACTGGAGTAGGA
AGTTTTATGCAGTCACAGGCAGTGCAGTTGCGATTCTTGAGCATCAAATGGCTATGGCAGCAGCAGCA
GCACAAACAGCTCAGCTACATCATCATCGGCATACAGGCAGCCAGTCAAAAAGTAA

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Restriction Sites: SgfI-MluI

ACCN: NM_001278480

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
RefSeq:	<u>NM_001278480.1, NP_001265409.1</u>
RefSeq Size:	3136 bp
RefSeq ORF:	2436 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] Transcript Variant: This variant (3) differs in the 5' UTR and has two alternate splice sites, one in the 5' and one in the 3' coding region, compared to variant 2. The resulting isoform (c) is longer; it lacks an internal aa in the N-terminal region, but has an additional segment in the C-terminal region, compared to isoform b.