

Product datasheet for **SC301920**

FAM48A (SUPT20H) (NM_001014286) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM48A (SUPT20H) (NM_001014286) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM48A
Synonyms:	C13; C13orf19; FAM48A; FP757; P38IP; SPT20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

OriGene sequence for NM_001014286 edited

GTCGGAAGTGC GGCCGCCGGAAC TGGCTGTTGGTGGGGGTGCAGCACTGAGCCGCCGACG
GGCGGGTGGGCTTTGCTGCCGAGCAGGCGGCCGCTCTTGGGGCCTAGCGCGAGGCGCA
CCGCGACAGTACTGTAAGATTGATGTTAAAGGCATGGTGTTCACCCCACTTATCATCAGCGT
ACATAAGTTATCTCTTCTTTTGGACCCTTATTTTATGCCATAATGCAACAAGCTTTAGAA
CTAGCTTTGGATCGTGCAGAGTATGTCAATTGAAAGTGCCCGACAGAGACCTCTAAAAAGG
AAATACCTATCAAGTGGAAGAAAACTCTGATTTCAAAAACTTTATGACTTGTATATTGAA
GAATGTGAAAAAGAACCTGAAGTTAAGAAATTAAGAAGAAATGTGAACTTGTAGAGAAG
CTTGTATGCAAGAGACTTTGTCATGTTTAGTGGTCAATCTATACCCAGGAAATGAGGGA
TATTCTCTGATGCTCAGGGGAAAAAACGGATCAGATCCGAGACCATTGCACTGCCCTAT
GAAGAAGGAGAGTTGCTTGAATATTTGGATGCAGAAGAATTACCTCCTATTTTGGTTGAT
CTCCTAGAAAAATCTCAGGTTAATATTTTCTAGTGGGATGTGTCATAGCAAGAAATACGT
GACTACAGGCAGCTCCAGTCAACATGAAATCTCTGGTACCAAGATCGGCACATTCTCTTA
CGTCCAAACAATGCAGACTTTAATTTGTGATGTACATTCAATAACAAGTGATAACCAAAA
TGGACCCAGGAAGACAAACTTTTGCTTGAGAGCCAGCTCATCTAGCTACAGCTGAACCA
CTCTGTCTTGATCCTTCTATAGCAGTCACCTGCACTGCAAAACAGACTGCTCTATAACAAG
CAAAAGATGAACACTCGCCCAATGAAACGGTGTTTCAAGAGGTATTCCAGATCCTCTCTG
AATCGGCAGCAAGATCTATCTATTGTCCACCTCCTCCTCAGTGAGGTTACTTGATTTC
TTACAAAAAGAAAGGAAAGAAAAGCAGGTCAGCATTATGACCTCAAATTTCTAAGGCA
GGAAATTGTGTAGATATGTGAAACGGAGTCCCTGTAATTTGGCCATACCTTCTGAAGTA
GATGTGGAGAAATATGCTAAAGTGAAAAGTCTATCAAATCTGATGACTCACAGCCAACA
GTCTGGCCAGCCCATGATGTAAAGATGATTATGTATTTGAATGTGAAGCTGGTACTCAG
TATCAGAAAACAAAGCTGACCATCTTGCACTCGCTTGAGATCCACTTTACTATGGTAAA
ATACAGCCATGTAAAGCAGATGAAGAAAGTGACAGCCAGATGTCTCCATCACACTCGTCC
ACAGATGATCATTCAAATTTGGTTCATTATTGGATCAAAGACCGATGCTGAGAGGGTAGTC
AATCAGTACCAAGAATTAGTCCAGAATGAAGCCAAATGTCCGGTCAAGATGTCACACAGC
TCCAGTGGCTCAGCCAGTCTGAGTCAGGTTTCTCCAGGGAAGAAACAGATCAAAC TGA
ACCGTGTCAAGTTCAGTCTTCGGTATTGGGAAGGGTGTAAAACATCGACCCCCACCAATC
AAACTTCCCTCAGGCTCAGGAAATAGTTCTCAGGTAAC TATTTACACCACAAACAGACA
AGCAGCTTTCTCAAATCTCAAAC TCTCCTCTCTCTTCTTAAGCCATCAAGTATTCTCTGG
AAATCATCTGTGGATCTCAATCAAGTTAGCATGCTTTCTCCAGCTGCCTATCACCTGCC
AGCTCATCACAAGAAACACGGCCACCCAGGTCATGGCAAACTCTGCTGGACTTAACTTC
ATCAATGTAGTGGGCTCTGTTTGTGGGGCCAGGCTTTGATGAGTGGTTCAAACCCCATG
CTGGGCTGTAACACTGGTGCCATAACTCCTGCAGGAATAAACCTGAGCGGCCTTCTACCC
TCAGGAGGTCTGCTACCAAATGCACTGCCCAGTGCAATGCAGGCAGCTTCTCAAGCAGGT
GTTCCATTTGGTTTAAAAAATACTTCAAGTCTCAGGCCCTTAAATCTACTCCAGCTTCCA
GGTGGTTCACTTATTTTTAACACTCTGCAGCAGCAGCAACAGCAGCTCTCCAGTTTACA
CCACAACAACCTCAGCAGCCCAACAATTGTAGTCCTCAACAGCCAGGGGAGCAGGGTTCT
GAGCAAGGTTCAACCAGTCAAGAACAGGCCTTATCTGCTCAGCAAGCTGCTGTTATTAAC
CTTACTGGAGTAGGAAGTTTATGCAGTCACAGGCAGCTGTGTTGCTCAGCTTGGCTCT
GTCGAGAACAGACCTGAGCAAAAGCCTTCTCAGCAGAGATTCCAGCTCTCCTCTGCCTTT
CAACAGCAGCAGCAACAGATACAACAGTTGCGATTCTTGCAAGCATCAAATGGCTATGGCA
GCAGCAGCAGCAAAACAGCTCAGCTACATCATCATCGGCATACAGGCAGCCAGTCAAAA
AGTAAAAATGAAGAGAGGCACGCCAACCACTCCAAAATTTTGAGTCTTGCAATTACTTTTTG
TTCTTTTAAAAACAAAGGACTGAATCAAAAGAATTGAGTTTCTACTTTTTGTTT
TTTTTAATGTGTCAGTATTTTTACATTGTCTAGATGTACAAACTTTATACAGAAGCACAAAC
TTATCATTTTTTAAATAAAAAACAGGG

Restriction Sites:

Please inquire

ACCN:

NM 001014286

Insert Size:

2700 bp

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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001014286.1.
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_001014286.1, NP_001014308.1</u>
RefSeq Size:	2755 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] Transcript Variant: This variant (1) differs in the 5' UTR, has an alternate splice site in the 5' coding region and an additional exon in the 3' coding region which results in a frameshift, compared to variant 2. The resulting isoform (a) is longer; it lacks an internal aa in the N-terminal region, but has a longer and distinct C-terminus, compared to isoform b.