

Product datasheet for **SC304320**

FAM98A (NM_015475) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM98A (NM_015475) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM98A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC304320 representing NM_015475.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTGTGACCTCATGGAGACTGACATCTTGGAGTCGTTGGAAGATCTAGGTTACAAGGGCCCATTTG
TTGGAAGATGGAGCGCTCTCTCAGGCAGTCTCTGCTGGAGCCAGTTCCCCGAGTTTACCAAACCTCTGT
GCTTGGCTGGTGTCTGAATTAAGAGTGCTCTGTAACTAGAGGAAAACGTGCAAGCAACTAACAGTCCG
AGTGAAGCTGAAGAATTCAGCTTGAGGTGAGTGGGCTACTAGGGGAGATGAAGTCCCGTATCTTTCA
CTGACATCTGGGGATGTGACCAAGCGCCTTCTCATTGAGAAGAACTGCCTCCTCTTGCTCACATACCTC
ATCTCAGAAGCTAGAAGCTGCCAGAATGCTCTGTGTGAATGCTCTCCAAAAAAGCTCAAGAAGGAGGC
GGTAGTGAGGTCTTTCAAGAGTTGAAAGGCATATGTATTGCTCTAGGAATGTCCAAACCTCCAGCCAAT
ATAACTATGTTCCAATTCTTCAGCGGGATTGAAAAAAATTAAGGAAACATTAGCAAAAGTTCCACCT
AATCATGTGGGAAAGCCTTTACTGAAGAAGCCAATGGGACCAGCCCACTGGGAAAAGATAGAAGCAATT
AACCAAGCCATAGCCAATGAATATGAAGTCCGGAGAAAGCTGCTAATAAACGTTTGGATGTCACCTGTA
CAATCCTTTGGCTGGTCTGACAGAGCTAAGAGCCAGACAGAAAAATTAGCCAAGGTTTACCAGCCGAAA
CGTTCAGTCTTATCCCCTAAAACTACTATTTCTGTTGCCCATCTTTTGGCTGCAAGGCAGGACTTGTC
AAGATTTTAAGGACAAGCAGCGGCTCTATAAGAGAAAAGACTGCCTGTGCCATCAATAAGGTGTTGATG
GGCAGGGTGCCTGACAGAGGTGGTAGACCCAATGAAATCGAACCTCCACCCCAAGAGATGCCACCGTGG
CAGAAGAGGCAAGATGGCCCCAGCAGCAAAACAGGAGGCCGAGGAGGAGGAGGAGGTGGCTATGAACAT
TCCTCATACGGAGGACGAGGAGGTATGAACAAGGAGGCCGAGGAGGTGGACGTGGTGGCTATGACCAT
GGTGGCCGAGGGGAGGAAGAGGAAATAAGCATCAAGGAGGCTGGACAGATGGAGGAGTGGTGGAGGA
GGTGGCTACCAAGATGGTGGTTATCGAGATTGAGTTTCCAGCCAGGTGGCTATCATGGTGGCCACAGC
AGTGGTGGCTATCAAGGCGGAGGTTATGGTGGCTTCCAAACATCTTCTCATATACAGGAAGTGGATAC
CAGGGTGGTGGCTACCAGCAGGACAATAGATACCAAGATGGCGGGCACCATGGTGATCGTGGTGGTGGT
CGTGGTGGCGAGGTGGTGGTGGAGGCCGAGGTGGTGGTGGCAGGCCAGGAGGAGGCTGGGAGGAAGA
GGGAGCCAGAATTATACCAAGGGGGTCAATTTGAACAGCATTTCAGCATGGAGGTTATCAGTATAAT
CATTCTGGATTTGGACAGGGAAGACATTACACTAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_015475

Insert Size: 1557 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015475.4</u>
RefSeq Size:	2829 bp
RefSeq ORF:	1557 bp
Locus ID:	25940
UniProt ID:	<u>Q8NCA5</u>
Cytogenetics:	2p22.3
MW:	55.3 kDa
Gene Summary:	Positively stimulates PRMT1-induced protein arginine methylation (PubMed:28040436). Involved in skeletal homeostasis (By similarity). Positively regulates lysosome peripheral distribution and ruffled border formation in osteoclasts (By similarity). Promotes colorectal cancer cell malignancy (PubMed:28040436).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).