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Product datasheet for SC304926

SCAF1 (NM_021228) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SCAF1
Synonyms:	SRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC304926 representing NM_021228.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAAGAAGATGAGTCTCGAGGGAAGACAGAGGAGTCGGGGGAGGATCGGGGCGATGGTCCGCCA
GACAGAGACCCCACGCTTTCTCCTTCTGCCTTTATCCTGCGAGCCATCCAGCAGGCTGTGGGAAGCTCC
CTGCAGGGGGACCTGCCCAATGATAAAGATGGCTCTCGGTGTCATGGCCTTCGATGGCGGCGCTGCCGG
AGTCCACGGTCAGAGCCCCGTTCCCAGGAATCAGGGGGCACTGACACGGCTACTGTGTTGGACATGGCC
ACGGACAGCTTCCTCGCAGGGCTGGTGAGTGTCCTGGATCCCCCGGATACCTGGGTTCCCAGCCGCCTG
GACCTGCGGCCTGGCGAAAGTGAGGACATGCTGGAGCTGGTGGCTGAGGTCCGAATCGGGGACAGAGAT
CCCATCCCTCTGCCTGTGCCCAGCCTGCTGCCCCGTCTCAGGGCCTGGAGGACGGGCAAAACGGTTTCT
CCACAGTCGAACTCCTCTAGGCCCACCTGTGCCCGTCACCTCACCTTGGGCACGGGAGACGGGGGCCCT
GCCCCACCCCCTGCCCCCTCCTCTGCATCCTCCTCCCCTTCCCCTTCTCCCTCATCTTCCTCCCCTTCC
CCTCCCCCACCCCCACCGCCCCCTGCACCCCCAGCCCCACCTGCCCCCCGATTCGATATCTATGACCCC
TTCCACCCCACCGACGAGGCCTACTCTCCACCGCCTGCTCCGGAGCAAAAGTACGACCCTTTTGAGCCC
ACCGGCTCCAACCCCAGCTCATCAGCGGGGACCCCCTCACCTGAGGAGGAAGAGGAGGAGGAAGAGGAA
GAAGAAGAGGAAGAGGAAGACGAGGAGGAGGAGGAAGGCCTGTCCCAGAGCATCAGCCGCATCTCGGAG
ACCCTGGCGGGCATCTACGATGACAACAGCCTGAGCCAGGACTTCCCAGGTGACGAGAGCCCCCGCCCG
GACGCGCAGCCCACACAGCCGACTCCCGCCCCTGGAACGCCGCCCCAGGTGGACTCCACCCGGGCTGAT
GGAGCCATGCGCCGGCGGGTCTTCGTGGTGGGGACCGAGGCAGAGGCTTGTCGGGAAGGCAAGGTCTCG
GTGGAGGTGGTGACCGCTGGTGGAGCCGCCCTCCCGCCGCCCCTGCTGCCGCCCGGCGACTCGGAGATC
GAGGAAGGGGAGATCGTCCAGCCGGAGGAGGAGCCCAGGCTGGCGCTGTCCCTCTTCCGCCCCGGCGGC
CGGGCCGCCCGGCCTACACCGGCCGCCTCGGCCACCCCCACGGCCCAGCCCCTTCCTCAGCCTCCCGCT
CCGCGGGCCCCCGAGGGGGACGACTTCTTGTCCCTGCATGCGGAGTCGGACGGCGAGGGCGCCCTGCAG
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CGCAAGATCCTGACCCAACGGCGGGAGCGCTACCGCCAGCGCTCGCCCTCCCCGGCGCCCGCGCCCGCC
CCGGCCGCCGCTGCTGGTCCGCCCACGCGCAAGAAGTCCAGGCGGGAACGCAAGCGCAGCGGCGAGGCC

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AAGGAGGCCGCCTCGTCCTCGTCGGGCACCCAGCCAGCGCCGCCCGCCCCGGCCTCGCCCTGGGACTCC
AAGAAGCACCGCTCGCGGGACCGCAAGCCCGGCTCCCACGCCTCGTCGTCCGCCCGCCGCCGCTCCCGC
TCCCGCTCCCGCTCCCGCTCCACCCGCCGCCGCTCGCGCAGCACCGACCGCCGCCGCGGGGGCAGCCGC
AGGTCGCGGTCCCGGGAGAAGCGGCGACGGCGGCGGCGCTCCGCCTCCCCGCCCCCGGCCACTTCCTCA
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CCGCCCTCTGGCTCCACCTCGTGTGGTGACCGCGACAGCCGCCGCCGGGGGGCCGTGCCACCCTCCATC
CAGGACCTCACGGACCACGACCTCTTCGCCATCAAGCGGACCATCACGGTGGGCCGGCTTGACAAGTCC
GACCCCCGAGGACCCTCTCCTGCTCCGGCCTCCTCACCTAAGCGGGAGGTCCTGTACGACTCCGAGGGA
CTGAGCGGCGAGGAGCGGGGCGGCAAGAGCAGCCAGAAGGATCGGCGCCGCTCGGGGGCCGCCTCCTCC
TCCTCCTCTTCCCGGGAGAAGGGGTCTCGTCGGAAGGCGCTGGACGGGGGTGACCGGGATCGGGACAGG
GACAGAGATAGGGACAGGGACAGGTCATCCAAGAAGGCCCGGCCCCCCAAGGAGTCGGCGCCTTCCTCA
GGGCCCCCGCCAAAGCCACCAGTCAGCAGCGGCTCAGGCTCTTCATCCTCGTCGTCCTCCTGTTCTTCC
CGGAAGGTGAAGCTGCAGTCCAAGGTGGCGGTGCTGATCCGCGAGGGTGTCAGCAGCACCACCCCGGCC
AAGGATGCCGCGTCAGCCGGCCTGGGCTCCATTGGCGTCAAATTCAGCCGTGACCGCGAGAGTCGCTCC
CCCTTCCTCAAACCTGACGAGCGGGCCCCCACTGAGATGGCCAAAGCAGCTCCGGGCAGCACCAAGCCC
AAAAAGACCAAGGTCAAGGCCAAGGCAGGGGCCAAGAAAACCAAGGGGACCAAGGGAAAGACCAAGCCA
TCCAAGACCAGGAAAAAGGTCCGCAGTGGAGGTGGCAGCGGGGGCAGTGGTGGCCAGGTGTCGCTGAAG
AAGTCCAAGGCGGATAGCTGCAGCCAGGCGGCAGGCACCAAGGGGGCGGAGGAGACTTCCTGGTCCGGG
GAGGAGCGGGCAGCCAAGGTTCCTAGCACCCCGCCCCCCAAGGCAGCCCCACCACCCCCTGCCCTCACT
CCGGACTCGCAGACCGTGGACAGCAGCTGCAAGACACCTGAGGTCTCCTTCCTGCCCGAGGAGGCCACT
GAGGAGGCTGGGGTCCGAGGTGGGGCGGAGGAGGAGGAGGAGGAAGAAGAAGAGGAGGAGGAAGAGGAA
GAGGAGGAGGAGCAGCAGCCTGCTACCACCACGGCCACCAGCACTGCTGCAGCCGCCCCAAGCACTGCC
CCCAGCGCGGGGTCCACAGCCGGTGACTCGGGGGCGGAGGACGGGCCAGCTTCCCGTGTCTCCCAGCTG
CCCACGCTGCCCCCGCCCATGCCCTGGAATCTGCCAGCTGGTGTGGACTGCACCACCAGCGGCGTCCTG
GCCTTGACTGCACTTCTCTTCAAGATGGAAGAAGCCAACCTGGCGAGCCGAGCGAAGGCCCAGGAGCTG
ATCCAGGCCACCAACCAGATCCTCAGCCACAGAAAGCCACCCTCAAGTCTGGGGATGACCCCAGCTCCT
GTGCCCACCTCTTTGGGTCTGCCCCCTGGCCCCTCCAGCTACCTGCTTCCTGGCAGCCTCCCTCTGGGG
GGCTGCGGTTCGACCCCCCCCACCCCCACCGGGCTGGCTGCCACGTCTGACAAGAGAGAGGGCAGCAGC
AGCTCTGAGGGCCGTGGGGACACAGATAAGTATCTGAAGAAGCTGCACACGCAGGAGCGGGCGGTGGAG
GAGGTGAAGCTGGCCATCAAGCCATACTATCAGAAGAAGGACATCACCAAGGAGGAGTACAAGGACATC
CTGAGGAAGGCCGTCCACAAGATCTGCCACAGCAAAAGTGGGGAAATCAACCCAGTGAAGGTGAGCAAC
CTGGTGCGGGCCTACGTCCAGCGCTACCGCTACTTCCGCAAGCACGGTCGCAAGCCAGGGGACCCCCCA
GGGCCCCCACGGCCGCCCAAGGAGCCAGGGCCCCCAGACAAGGGTGGCCCGGGCCTGCCCCTGCCCCCT
CTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_021228

Insert Size: 3939 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_021228.2

RefSeq Size: 4323 bp

RefSeq ORF: 3939 bp

Locus ID: 58506

UniProt ID: Q9H7N4

Cytogenetics: 19q13.33

MW: 139.3 kDa

Gene Summary: May function in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]