

Product datasheet for SC117697

SCAP2 (SKAP2) (NM_003930) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAP2 (SKAP2) (NM_003930) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCAP2
Synonyms:	PRAP; RA70; SAPS; SCAP2; SKAP-HOM; SKAP55R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117697 sequence for NM_003930 edited (data generated by NextGen Sequencing)

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ATGCCCAACCCAGCAGCACCTCCTCCTCCCTACCCCTCCTGAGGAAATTAGGAACCTG
TTGGCAGATGTTGAAACATTTGTAGCAGATATACTGAAAGGAGAAAATTTATCCAAGAAA
GCAAAGGAAAAGAGAGAATCCCTTATTAAGAAGATAAAAGATGTAAGTCTATCTATCTT
CAGGAATTTCAAGACAAAGGTGATGCAGAAGATGGGGAAGAATATGATGACCCTTTTGCT
GGGCCTCCAGACACTATTTTCATTAGCCTCAGAACGATATGATAAAGACGATGAAGCCCC
TCTGATGGAGCCAGTTTCTCCAATTGCAGCACAAAGACCTTCTTTTGTCTAAAGGCT
GGCTACCTTGAAAAACGCAGAAAAGATCACAGCTTTCTGGGATTTGAATGGCAGAAACGG
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TTTTACCAGGGATTGTGGGATTGTAAGGAGCTTTTTCTGATGAGTTGTCAATTAAGCGT
GGTGATGTGATTTACATTCCTAGCAAGGAATACAATAGATATGGCTGGTGGGTAGGAGAA
ATGAAGGGAGCCATTGGCTTGGTGCCTAAAGCCTACATAATGGAGATGTATGATATTTGA

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Clone variation with respect to NM_003930.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003930 unedited
 CGTCAAAATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGGCTCGCTGG
 AGATTCAGTGACTTCCTTGTGTGAGCCCCGGCCCGCAGTGTCCCGACTCGTAGCCCCG
 CTGTTCTTAATCCGGGCCGCTAGCCTGAGTCTAGGTCGCAGCCGAGCCCCACCCCGTGC
 GTCACCTTTTCAGCGCAGGTCTTTCCCGCACGCCCTGCGCTCCCTAACATGCCAACCC
 CCAGCAGCACCTCCTCTCCCTACCCCTCCCTGAGGAAATTAGGAACCTGTTGGCAGATG
 TTGAAACATTTGTAGCAGATATACTGAAAGGAGAAAAATTTTCCAAGAAAGCAAAGGAAA
 AGAGAGAATCCCTTATTAAGAAGATAAAAAGATGTAAGTCTATCTATCTTCAGGAATTTT
 AAGACAAAGTGATGCAGAAGATGGGGAAGAATATGATGACCCTTTTGTGGGCCTCCAG
 AACTATTTTCATTAGCCTCAGAACGATATGATAAAGACGATGAAGCCCCCTCTGATGGAG
 CCCAGTTTCTCCAATTGCAGCACAAGACCTTCTTTTGTCTAAAGGCTGGTACCTTG
 AAAAACGCAGAAAAGATCACAGCTTTCTGGGATTTGAATGGCAGAAACGGNTGGGTGTGC
 TCTCAGTAAAACGGTATTCTATTATTATGGAAGTATAAAGACAAACAACAGAAAGGTGA
 ATTTGCAATAGATGGCTACAGTGTGAGAATGAATAACACTCTAAGAAAGGGATGGAAAGA
 AGATTGCTGTTNTGAAATCTCTGCTCCTGATNAACGTATATATCAGTTTACAGCAGCTTC
 TCCAAGATGCTNGAGAAATGGGTACAGCAGCTGAAAATTTGATTGCAGATATGGAATCTG
 ATATTATTCCTGAGGATATGATGAGAGAGGAGAATATTGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003930 unedited
 GCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCTGAGAGGAGTCTCACTCTGTGC
 CCCAGGCTGGAGTCAAAGGAGCGATCTTGGCTAACTGCAACCTCTGCCTACCTTGTTC
 AGCATTCTCGTGCTTGGCCTCCCAATTACCTGGGACTGCAGGTGAACATTACCACACT
 TGGCTAATTTTTATTACATACAGGGTTTTACCATGTTGGCCTGGCTGGGAGATTCTTTAT
 ACCATTTTGTAGTGGCAGGGTGGTATTTCTTAAGAATTTTTTGTTCATTAAATTTAAA
 CCTAAGTCCTGTAAAAATGTTGCCAGGCCATCATCGCACCCAGGATATTTGTACCGTAA
 AATGCTTTGCATGAGTCATACTTCTGGTACGCACTTCTGTTGCAGGCGACAGCTCACTGC
 CATTTGCAACTTCATCATTTTTTCTTTCTTGGCGCTGACTTAATACGAATCAAATGTGT
 GAAAATACCTAATGACAATACAGTCGTCTATAACGTTTGAACATCTTTTACATTCTTTG
 GTTATCAACCACATTCTCAGCATCTACCAAAAAAGACTCGCATGATACACTAAATTTAA
 AATGCTATGAATTAACCTTACTCTCTAAAAATATTCGATGTCCAATGATCAAGAACT
 TAGCAATCACCCCGGATTACCTTAGTGCCTACTATGCTTAGCAGACTCTTTGTACCCCTA
 AAATTGGGATGAATTCTTCCCCCAAATAAATGGGTAATAAAAAACCTTGATTTTTTCTTT
 GCAAAAACACAGGTTTAACTTACCGGGCTGGCTTAACTTTACCTAATTTCCCTCCTTAA
 TTTACACCAAAGCATTCTTTACCCCGTCCGCTCCAAAACGCCTAACCTCATCAATGT
 TTATAATAAAAAGGAAAGGTAGGAGCGGCCACGCGTGCTTAAAGACCTCCTTAATCAAGGCT
 GTGGAATACACAAGATAATCTTTCCAACT

Restriction Sites:

NotI-NotI

ACCN:

NM_003930

Insert Size:

2500 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).

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: [NM_003930.3](#), [NP_003921.2](#)

RefSeq Size: 3984 bp

RefSeq ORF: 1080 bp

Locus ID: 8935

UniProt ID: [O75563](#)

Cytogenetics: 7p15.2

Domains: SH3, PH

Gene Summary: The protein encoded by this gene shares homology with Src kinase-associated phosphoprotein 1, and is a substrate of Src family kinases. It is an adaptor protein that is thought to play an essential role in the Src signaling pathway, and in regulating proper activation of the immune system. This protein contains an amino terminal coiled-coil domain for self-dimerization, a pleckstrin homology (PH) domain required for interactions with lipids at the membrane, and a Src homology (SH3) domain at the carboxy terminus. Some reports indicate that this protein inhibits actin polymerization through interactions with actin assembly factors, and might negatively regulate the invasiveness of tumors by modulating actin assembly. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).