

Product datasheet for **RG206119**

SCAP2 (SKAP2) (NM_003930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAP2 (SKAP2) (NM_003930) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCAP2
Synonyms:	PRAP; RA70; SAPS; SCAP2; SKAP-HOM; SKAP55R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206119 representing NM_003930 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCAACCCAGCAGCACCTCCTCTCCCTACCCCTCCCTGAGGAAATTAGGAACCTGTTGGCAGATG
TTGAAACATTTGTAGCAGATATACTGAAAGGAGAAAATTTATCCAAGAAAGCAAAGGAAAAGAGAGAATC
CCTTATTAAGAAGATAAAAGATGTAAGTCTATCTATCTTCAGGAATTTCAAGACAAAGGTGATGCAGAA
GATGGGGAAGAATATGATGACCCTTTTGTGGCCTCCAGACACTATTTTCATTAGCCTCAGAACGATATG
ATAAAGACGATGAAGCCCTCTGATGGAGCCAGTTTCTCCAATTGCAGCACAAAGACCTTCCTTTTGT
TCTAAAGGCTGGCTACCTTGAAAACGCAGAAAAGATCACAGCTTCTGGGATTTGAATGGCAGAAACGG
TGGTGTGCTCTCAGTAAAACGGTATTCTATTATTATGGAAGTGATAAAGACAAACAACAGAAAGGTGAAT
TTGCAATAGATGGCTACAGTGTGAGAATGAATAACACTCTAAGAAAGGATGGAAAGAAAGATTGCTGTTT
TGAAATCTCTGCTCCTGATAAACGTATATATCAGTTTACAGCAGCTTCTCCCAAAGATGCTGAAGAATGG
GTACAGCAGCTGAAATTTGATTGCAAGATATGGAATCTGATATTATCTGAGGATTATGATGAGAGAG
GAGAATTATATGATGATGTTGATCATCCTCTACCAATAAGCAATCCACTAACAAGCAGTCAACCAATAGA
TGATGAAATTTATGAAGAACTCCAGAAGAAGAAGAGGACAGTGTCCAGTAAAAGTGAAGAACAAGG
AAGATGAGTCAGGATAGTGTCCATCACACCTCAGGGGATAAGAGCACTGATTATGCTAATTTTTACCAGG
GATTGTGGGATTGTACTGGAGCTTTTTCTGATGAGTTGTCAATTAAGCGTGGTGATGTGATTTACATTCT
TAGCAAGGAATACAATAGATATGGCTGGTGGTAGGAGAAATGAAGGGAGCCATTGGCTTGGTGCCTAAA
GCCTACATAATGGAGATGTATGATATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206119 representing NM_003930
 Red=Cloning site Green=Tags(s)

MPNPSSTSSPYPLPEEIRNLLADVETFVADILKGENLSKKAKEKRESLIKIKDVKSIYQLQEFQDKGDAE
 DGEYDDPFAGPPDTISLASERYDKDDEAPSDGAQFPPIAAQDLPFVLKAGYLEKRRKDHSFLGFWEQKR
 WCALSKTVFYGGSDKDKQKGEFAIDGYSVRMNNLTKDKGKKDCCFEISAPDKRIYQFTAASPKDAEEW
 VQQLKFVLDMESDIIPEDYDERGELYDDVDHPLPISNPLTSSQPIDDEIYEELPEEEEDSAPVKVEEQR
 KMSQDSVHHTSGDKSTDYANFYQLWDCTGAFSDEL SFKRGDVIYILSKEYNRYGWWVGMKGAI GLVVK
 AYIMEMYDI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003930

ORF Size: 1077 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_003930.5](#)

RefSeq Size: 3984 bp

RefSeq ORF: 1080 bp

Locus ID: 8935

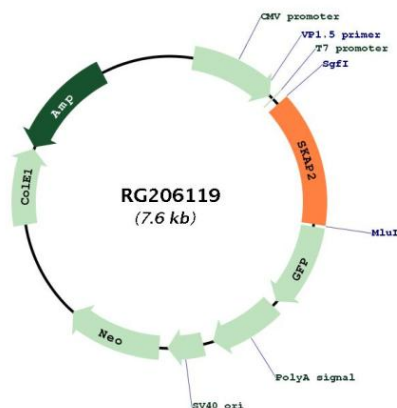
UniProt ID: [O75563](#)

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]

Product images:



Circular map for RG206119