OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC315330

SCAP (NM_012235) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCAP (NM_012235) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCAP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_012235 edited
AGGGTGATCCATGGTCACTTTCCGGGATGGCAGCAAGGTGACTTCGGCTGAGGATGACCC
TGACTGAAAGGCTGCGTGAGAAGATATCTCGGGCCTTCTACAACCATGGGCTCCTCTGTG
CATCCTATCCCATCCCCATCATCCTCTTCACAGGGTTCTGCATCTTAGCCTGCTGCTACC
CACTGCTGAAACTCCCCTTGCCAGGAACAGGACCTGTGGAATTCACCACCCCTGTGAAGG
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AGTGGTATGTGGGTGCCCCGGTGGCTTATGTCCAGCAGATATTTGTGAAGTCCTCAGTGT
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TCCAACTGGTGGAGGAGATCCGGAACCACGTGCTGAGAGACAGCTCTGGGATCAGGAGCT
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AACGCTTCCATGCTGATCCTGACATCATTGGGACCATCCACCAGCACGAGCCTAAAACCC
TGCAGACTTCAGCCACACTCAAAGACTTGTTATTTGGTGTTCCTGGGAAGTACAGCGGGG
TGAGCCTCTACACCAGGAAGAGGATGGTCTCCTACACCATCACCCTGGTCTTCCAGCACT
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CGCGGAAGATCGACATGGTCAAGTCCAAGTGGGGGCTGGCCCTGGCTGCCGTGGTCACAG
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GCACCGTTGTCTGGATTGGCATCCTGGTATACACAGACCCAGCAGGGCTGCGCAACTACC
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TCGCTGCCCAGGTGACGGAACAGAGCCCATTGGGTGAGGGAGCCCTGGCTCCCATGCCCG
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ATGCCCCTAAGCTACCTGAGAACCAGACGTCGCCAGGCGAGTCACCTGAGCGTGGAGGTC
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CCAGCGACGGCATGCTGCTGGTGAGCTGCTGCCTGGCAGGCCACATCTGCGTGTGGGACG
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CCTTTTGGGACCTAAACTACGGGGACCTGTTACAGACAGTCTACCTGGGGAAGAACAGTG
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GCCTCCTTGCCCAGGCAGGAGGCTGGGGTGCTGTGTGGGGGCCAATGCACTGAACCTGGA
CTTGGGGGAAAGAGCCGAGTATCTTCCAGCCGCTGCCTCCTGACTGTAATAATATTAAAC
TTTTTTAAAAAACCATAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: NM_012235

Insert Size: 4000 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: It is not a varient.

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_012235.2, NP_036367.2
RefSeq Size:	4255 bp
RefSeq ORF:	3840 bp
Locus ID:	22937
UniProt ID:	Q12770
Cytogenetics:	3p21.31
Domains:	WD40
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Gene Summary:	This gene encodes a protein with a sterol sensing domain (SSD) and seven WD domains. In the presence of cholesterol, this protein binds to sterol regulatory element binding proteins (SREBPs) and mediates their transport from the ER to the Golgi. The SREBPs are then proteolytically cleaved and regulate sterol biosynthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).