

Product datasheet for RC208493

SKAP55 (SKAP1) (NM_001075099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKAP55 (SKAP1) (NM_001075099) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SKAP55
Synonyms:	HEL-S-81p; SCAP1; SKAP55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208493 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAAGCCGCCCTCCCTGAGGAGATCCGTTGGCTCCTGGAAGATGCTGAAGAGTTTCTGGCAGAAG
 GTTTCGGAATGAGAACCTCAGCGCTGTTGCAAGGGATCACAGAGACCATATTCTACGGGCTTTCAGCA
 AATCAAAGCCAGGTACTATTGGGATTTTCAGCCCCAAGGGGAGACATTGGACAGGACAGCTCTGATGAT
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 TGGCCCCCACCTGCGAAGAGATTCCAAGAAAGAAATCCTGCTTTGAACTGACCTCCCAGGATAGGCGCAG
 CTATGAGTTTACAGCTACTAGTCCAGCAGAAGCCAGAGACTGGGTGGATCAAATAAGTTTCTTGTAAAG
 GATCTGAGCTCCTTAACCATTCATATGAAGAGGATGAGGAGGAAGAAGAAAAAGAGACATATGATG
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 CTAGAAGAGGATGAGAGTGGCACTCGACGAAAAGGAGACTATGCCAGTTACTACAGGGCCTATGGGATT
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 TAACATGTATGGCTGGTGGTGGGAGAAGTGAACAGCCTCGTTGGGATTGTTCCAAGGAGTATCTCACC
 ACTGCCTTTGAAGTGAAGAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC208493 protein sequence
 Red=Cloning site Green=Tags(s)

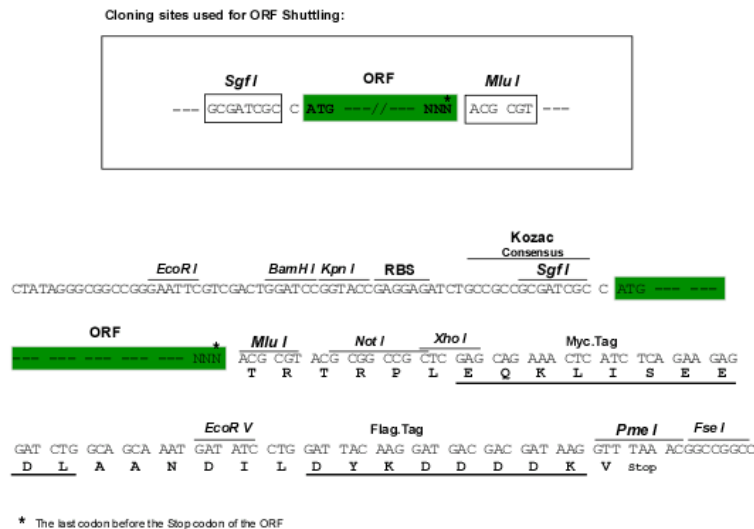
MQAAALPEEIRWLLEDAEEFLAEGLRNENLSAVARDHRDHILRGFQQIKARYYWDFQPQGGDIGQDSSDD
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 YYYANEKSKQPKGTFLIKGYGVRMAPHLRRDSKKESCFELTSQDRRSYEFTATSPAARDWVDQISFLK
 DLSSLTIPYEEDEEEEEEKEETYDDIDGFDSPSCGSQCRPTILPGSVGIKEPTEEKEEEDIYEVLPDEEHD
 LEEDESGTRRKGDYASYQGLWDCHGDQPDLSFQRGDLIRILSKEYNMYGWWVGELNSLVGIVPKEYLT
 TAFEVEER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6349_f07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001075099

ORF Size: 1074 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.

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

RefSeq: [NM_001075099.2](#)

RefSeq Size: 1598 bp

RefSeq ORF: 1077 bp

Locus ID: 8631

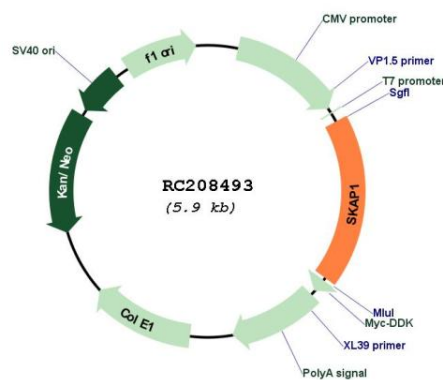
UniProt ID: [Q86WV1](#)

Cytogenetics: 17q21.32

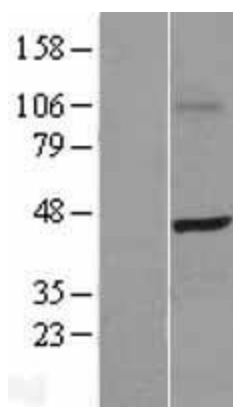
MW: 41.3 kDa

Gene Summary: This gene encodes a T cell adaptor protein, a class of intracellular molecules with modular domains capable of recruiting additional proteins but that exhibit no intrinsic enzymatic activity. The encoded protein contains a unique N-terminal region followed by a PH domain and C-terminal SH3 domain. Along with the adhesion and degranulation-promoting adaptor protein, the encoded protein plays a critical role in inside-out signaling by coupling T-cell antigen receptor stimulation to the activation of integrins. [provided by RefSeq, Jul 2008]

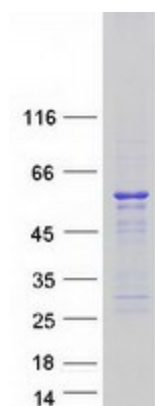
Product images:



Circular map for RC208493



Western blot validation of overexpression lysate (Cat# [LY421351]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208493 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SKAP1 protein (Cat# [TP308493]). The protein was produced from HEK293T cells transfected with SKAP1 cDNA clone (Cat# RC208493) using MegaTran 2.0 (Cat# [TT210002]).