

Product datasheet for **RG217083**

SKAP55 (SKAP1) (NM_003726) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKAP55 (SKAP1) (NM_003726) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SKAP55
Synonyms:	HEL-S-81p; SCAP1; SKAP55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217083 representing NM_003726 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAGCCGCGCCCTCCCTGAGGAGATCCGTTGGCTCCTGGAAGATGCTGAAGAGTTTCTGGCAGAAG
GTTTGCAGGAAATGAGAACCTCAGCGCTGTTGCAAGGGATCACAGAGACCATTCTACGGGCTTTCAGCA
AATCAAAGCCAGGTAATTTGGGATTTTCAGCCCCAAGGGGGAGACATTGGACAGGACAGCTCTGATGAT
AATCACAGCGGGACTCTGGCCTGTCCCTCACATCCGATGCACCCTTTTGTGAGATTATCAGGATGAGG
GAATGGAAGACATCGTAAAAGGAGCTCAAGAACTTGATAACGTAATCAAGCAAGGATACTTGGAGAAGAA
AAGCAAAGATCATAGTTTCTTTGGATCGGAGTGGCAGAAGCGATGGTGTGTTGTCAGCAGAGGTCTCTTC
TACTACTATGCTAATGAGAAGAGCAAGCAGCCAAAGGGACCTTCTCATTAAAGGGCTACAGTGTACGGA
TGGCCCCCACCTGCGAAGAGATTCCAAGAAAGAATCCTGCTTTGAACTGACCTCCCAGGATAGGCGCAG
CTATGAGTTTACAGCTACTAGTCCAGCAGAAGCCAGAGACTGGGTGGATCAAATAAGTTTCTTGTAAAG
GATCTGAGCTCCTTAACCATTCCATATGAAGAGGATGAGGAGGAAGAAGAAAAGAGACATATGATG
ATATTGATGGTTTGGACTCCCCAAGTTGTGGTCCAGTGCAGACCCACTATCTTGCCTGGGAGTGTGGG
GATAAAAGAGCCTACAGAGGAGAAAGAAGAAGATATTTATGAAGTCTTGCCAGATGAAGAGCATGAT
CTAGAAGAGGATGAGAGTGGCACTCGACGAAAAGGAGTAGACTATGCCAGTTACTACCAGGCCATGGG
ATTGCCATGGTGACCAGCAGATGAACTGTCTTCCAACGGGGTACCTCATCCGTATTCTGAGCAAGGA
GTATAACATGTATGGCTGGTGGTGGGAGAAGTGAACAGCCTCGTTGGGATTGTTCCAAAGGAGTATCTC
ACCACTGCCTTTGAAGTGAAGAAAGA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217083 representing NM_003726
Red=Cloning site Green=Tags(s)

MQAAALPEEIRWLLEDAEEFLAEGLRNENLSAVARDHRDHILRGFQQIKARYYWDFQPQGGDIGQDSSDD
 NHSGTLGLSLTSDAPFLSDYQDEGMEDIKGAQELDNVIKQGYLEKSKDHSFFGSEWQKRWCVVSRLGF
 YYYANEKSKQPKGTFLIKGYSVRMAPHLRRDSKKESEFELTSQDRRSYEFATSPAARDWVDQISFLK
 DLSSLTIPYEEDEEEEKEEYDDIDGFDSPSCGSQCRPTILPGSVGIKEPTEEEKEEDIYEVLPDEEHD
 LEEDESSTRKGVYASYQGLWDCHGDQDPDELSFQRGDLIRILSKEYNMYGWWVWVGLNSLVGIVPKEYL
 TTAFEVEER

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003726

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_003726.2](#), [NP_003717.2](#)

RefSeq Size: 1531 bp

RefSeq ORF: 1080 bp

Locus ID: 8631

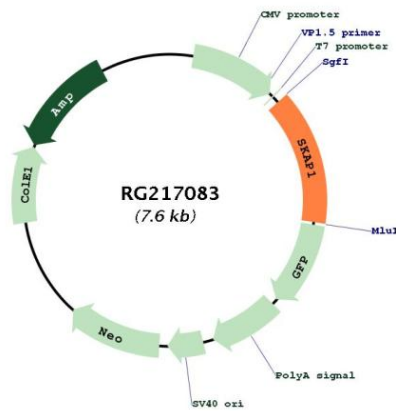
UniProt ID: [Q86WV1](#)

Cytogenetics: 17q21.32

Domains: SH3, PH

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 RG217083