

Product datasheet for RC206509

SKP1 (NM_006930) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SKP1 (NM_006930) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SKP1
Synonyms: EMC19; OCP-II; OCP2; p19A; SKP1A; TCEB1L
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC206509 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTTCAATTAAGTTGCAGAGTTCTGATGGAGAGATATTTGAAGTTGATGTGAAATTGCCAAACAAT
 CTGTGACTATTAAGACCATGTTGGAAGATTTGGGAATGGATGATGAAGGAGATGATGACCCAGTTCTCT
 ACCAAATGTGAATGCAGCAATATTAATAAAGGTCATTCAGTGGTGCACCCACCACAAGGATGACCTCCT
 CCTCCTGAAGATGATGAGAACAAGAAAAGCGAACAGATGATATCCCTGTTGGGACCAAGAATTCCTGA
 AAGTTGACCAAGGAACACTTTTTGAACTCATTCTGGCTGCAAACTACTTAGACATCAAAGTTTGTGTTGA
 TGTACATGCAAGACTGTTGCCAATATGATCAAGGGGAAAACCTGAGGAGATTCGCAAGACCTTCAAT
 ATCAAAAATGACTTTACTGAAGAGGAGGAAGCCAGGTAGGTAGCACACAGTTTTGTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206509 protein sequence
 Red=Cloning site Green=Tags(s)

MPSIKLQSSDGEIFEVDVEIAKQSVTIKTMLEDLGMDDGDDDPVPLPNVNAAILKKVIQWCTHHKDDPP
 PPEDDENKEKRTDDIPVWDQEFLLKVDQGTFLFELILAANYLDIKGLLDVTCCKTVANMIKGTPEEIRKTFN
 IKNDFTEEEEAQVGSTQFCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6015_e07.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006930

ORF Size: 480 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.

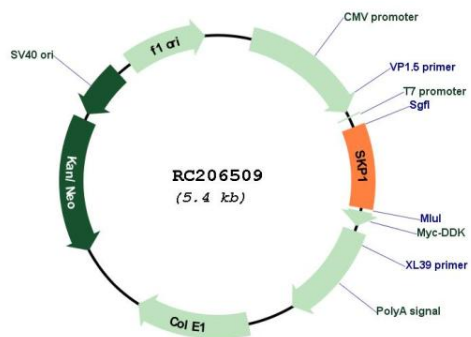
RefSeq: [NM_006930.3](#)

RefSeq Size: 2714 bp

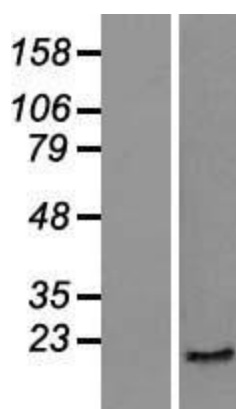
RefSeq ORF: 483 bp

Locus ID:	6500
UniProt ID:	P63208
Cytogenetics:	5q31.1
Domains:	Skp1
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway
MW:	18.1 kDa
Gene Summary:	This gene encodes a component of SCF complexes, which are composed of this protein, cullin 1, a ring-box protein, and one member of the F-box family of proteins. This protein binds directly to the F-box motif found in F-box proteins. SCF complexes are involved in the regulated ubiquitination of specific protein substrates, which targets them for degradation by the proteasome. Specific F-box proteins recognize different target protein(s), and many specific SCF substrates have been identified including regulators of cell cycle progression and development. Studies have also characterized the protein as an RNA polymerase II elongation factor. Alternative splicing of this gene results in two transcript variants. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC206509



Western blot validation of overexpression lysate (Cat# [LY416315]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206509 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).