

## Product datasheet for **SC100696**

### SKP1 (NM\_170679) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SKP1 (NM_170679) Human Untagged Clone
Tag:	Tag Free
Symbol:	SKP1
Synonyms:	EMC19; OCP-II; OCP2; p19A; SKP1A; TCEB1L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_170679, the custom clone sequence may differ by one or more nucleotides

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ATGCCTTCAATTAAGTTCAGAGTTCTGATGGAGAGATATTTGAAGTTGATGTGGAAATTGCCAAACAAT
CTGTGACTATTAAGACCATGTTGGAAGATTTGGGAATGGATGATGAAGGAGATGATGACCCAGTTCTCT
ACCAAATGTGAATGCAGCAATATTA AAAAAGGTCATT CAGTGGTGCACCCACCACAAGGATGACCTCCT
CCTCCTGAAGATGATGAGAACAAAGAAAAGCGAACAGATGATATCCCTGTTTGGGACCAAGAATTCCTGA
AAGTTGACCAAGGAACACTTTTTGAACTCATTCTGGCTGCAAACACTTAGACATCAAAGGTTTGCTTGA
TGTTACATGCAAGACTGTTGCCAATATGATCAAGGGGAAAACCTGAGGAGATTCGCAAGACCTCAAT
ATCAAAAATGACTTTACTGAAGAGGAGGAAGCCCAGGTACGCAAAGAGAACCAGTGGTGTGAAGAGAAGT
GA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_170679 unedited CTCCTATAGGGCGGCCGGAATTCGCACGAGGGCGCTGCGACGCTGTAGTGGCTTCGTCT TCGGTTTTTCTCTTCTTCGCTAACGCCTCCCGGCTCTCGTCAGCCTCCCGCCGGCCGTC TCCTTAACACCCGAACACCATGCCTTCAATTAAGTTGCAGAGTTCTGATGGAGAGATATTT GAAGTTGATGTGAAATTGCCAAACAATCTGTGACTATTAAGACCATGTTGGAAGATTTG GGAATGGATGATGAAGGAGATGATGACCCAGTTCCTCTACCAAATGTGAATGCAGCAATA TTAAAAAAGGTCATTCAGTGGTGCACCCACCACAAGGATGACCCCTCCTCCTCTGAAGAT GATGAGAACAAAAGAAAAGCGAACAGATGATATCCCTGTTTGGGACCAAGAATTCCTGAAA GTTGACCAAGGAACACTTTTTGAACTCATTCTGGCTGCAAACACTTAGACATCAAAGGT TTGCTTGATGTTACATGCAAGCACTGTTGCCAATATGATCAAGGGGAAAACCTCCTGAGGA GATTCGCAAGACCTTCAATAGCAAAAATGACTTTACTGAAGAGGAGGAAGCCAGGTACG CAAAGAGAACCAGTGGTGTGAAGAGAAGTAAAATGTTGTGCTGACACTGTAACACTGTA AGGATTGTTCAAATACTAGTTGCACTGCTCTGTTTATAATTGTTAATATTAGACCAACA GTAGACAAATGCAGCAGCAAGTCAATTGTATTAGCAGAATATTGCCTCATTGCATGTTG TAGTTTGAGCACAGATCCCANACCTACGGNNCAGTTTCTTCTAGTATGAGGGAAAATTNC TTTTTTCTTGTCTGATAAACTGAACGGGGGTCTCTATAAGGGNCATT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_170679
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_170679.1</a> , <a href="#">NP_733779.1</a>
<b>RefSeq Size:</b>	1486 bp
<b>RefSeq ORF:</b>	492 bp
<b>Locus ID:</b>	6500
<b>UniProt ID:</b>	<a href="#">P63208</a>
<b>Cytogenetics:</b>	5q31.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cell cycle, Oocyte meiosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway

**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]

Transcript Variant: This variant (2) utilizes an alternate splice site in the 3' coding region, compared to variant 1. This results in a frameshift and slightly longer protein (isoform b), compared to isoform a.