

## Product datasheet for **RG209385**

### SKP1 (NM\_170679) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SKP1 (NM\_170679) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SKP1  
**Synonyms:** EMC19; OCP-II; OCP2; p19A; SKP1A; TCEB1L  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG209385 representing NM\_170679  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCTTCAATTAAGTTGCAGAGTTCTGATGGAGAGATATTTGAAGTTGATGTGAAATTGCCAAACAAT  
 CTGTGACTATTAAGACCATGTTGGAAGATTTGGGAATGGATGATGAAGGAGATGATGACCCAGTTCTCT  
 ACCAAATGTGAATGCAGCAATATTA AAAAAGGTCATT CAGTGGTGCACCCACCACAAGGATGACCTCTCT  
 CCTCCTGAAGATGATGAGAACAAAAGAAAAGCGAACAGATGATATCCCTGTTTGGGACCAAGAATTCCTGA  
 AAGTTGACCAAGGAACACTTTTTGAACTATTCTGGCTGCAAACTACTTAGACATCAAAGTTTGTCTTGA  
 TGTACATGCAAGACTGTTGCCAATATGATCAAGGGGAAAACCTGAGGAGATTCGCAAGACCTTCAAT  
 ATCAAAAATGACTTTACTGAAGAGGAGGAAGCCAGGTACGAAAAGAGAACCAGTGGTGTGAAGAGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209385 representing NM\_170679  
 Red=Cloning site Green=Tags(s)

MPSIKLQSSDGEIFEVDVEIAKQSVTIKTMLEDLGMDDDDPVPLPNVNAAILKKVIQWCTHHKDDPP  
 PPEDDENKEKRTDDIPVWDQEFLLKVDQGLFELILAANYLDDIKGLLDVDTCKTVANMIKGTPEEIRKTFN  
 IKNDFTEEEEAQVRKENQWCEEK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_170679

**ORF Size:** 489 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\\_170679.3](#)

**RefSeq Size:** 1486 bp

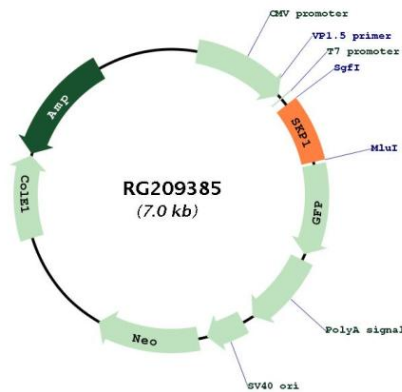
**RefSeq ORF:** 492 bp

**Locus ID:** 6500

**UniProt ID:** [P63208](#)

<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
<b>Gene Summary:</b>	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 RG209385