

Product datasheet for **MC227443**

Skp2 (NM_001285980) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Skp2 (NM_001285980) Mouse Untagged Clone
Tag: Tag Free
Symbol: Skp2
Synonyms: 4930500A04Rik; FBXL1; FWD1; p45
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227443 representing NM_001285980
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGTCTCGGCCTTGGAGAAGGAGGAGGTGGACAGTGAGAACATCCCACATGGACTGCTCTCAAACC
 TCGGCCACCCAGAGCCCTCCAAGGAAACGAGTCAAGGGCAAAGGGAGTGACAAAGACTTTGTGATCAT
 CCGTCGGCCGAAGCTTAGTCGGGAGAATTTCCAGGTGTCTCCTGGGACTCCCTTCCAGATGAGCTGCTC
 CTTGGGATCTTTTCTGTCTGTGCCTCCCTGAGCTGTGAGAGTCTCGGGCGTTTGAAGAGGTGGTACC
 GCCTCTCGCTCGATGAGTCTCTCTGGCAGTCCCTCGACCTCGCGGGTAAAAATCTGCACCCAGAGCTGAC
 TGTGCGCTTGTCTCCCGCGGGGTGGTGCCTTCCGCTGCCCTCGGTCTTTATGGAGCAGCCGCTGGGT
 GAAAGTTCAGCTCTTCCGGGTACAGCACATGGACCTGTGCAACTCAGTGATAAATGTGTGCAACCTCC
 ATAAGATTCTGTCCGAGTGTCCAAGCTGCAGAACTAAGCCTGGAAGGCCTGCAGCTCTCAGACCCCAT
 TGTCAAGACTCTGCACAGAATGAAAACCTGGTGCAGTAAACCTTTGTGGGTGCTCTGGGTTTTCTGAA
 TCTGCCGTGGCGACTCTGCTAAGCAGCTGCTCCAGACTGGATGAGCTAAATCTCTCTGGTCTTTGACT
 TCACTGAAAAGCACGTGCAAGCGGCTGTGCACATTTACCAAACACCATCACCCAGCTGAACCTCAGCGG
 CTACCGAAAAGAACTCCAGAAAACAGATCTTTGTACCATAATTAACGATGCCCCAACTCATCCGCCTC
 GACTTAAGTGACAGTATCATGCTAAAGAATGACTGCTTTCCAGAATTTTTTCAACTCAACTACCTCCAAC
 ACCTCTCGCTCAGCCGGTGTATGATATAATACCTGATACTCTACTTGAACCTGGAGAAATTCCTACACT
 AAAAACGCTACAAGTTTTTGAATCGTGCCAGAGGGAACCCCTCAGCTACTGAGGGAAGCTCTTCTCGG
 CTGCGAGATTAAGTGCCTATTTACCACCATTGCAAGGCCAACTATGGACAGCAAGAAGAACTGGAGA
 TTTGGGTATCAAGTGCCGACTGACTCTGCAAAAGCCAGTTGTCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001285980
Insert Size:	1170 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001285980.1</u> , <u>NP_001272909.1</u>
RefSeq Size:	3140 bp
RefSeq ORF:	1170 bp
Locus ID:	27401
Cytogenetics:	15 A1
Gene Summary:	<p>Substrate recognition component of the SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. The SCF complex provides substrate specificity and interacts with both, the E2 ubiquitin-conjugating enzyme and the substrate. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Promotes ubiquitination and destruction of CDH1 in a CK1-Dependent Manner, thereby regulating cell migration (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks part of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a.</p>