

## Product datasheet for MR229654

### Skp2 (NM\_001285980) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Skp2 (NM_001285980) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Skp2
Synonyms:	4930500A04Rik; FBXL1; FWD1; p45
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229654 representing NM_001285980 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGTGTCTCGGCCTTGGAGAAGGAGGAGGTGGACAGTGAGAACATCCCACATGGACTGCTCTCAAACC  
TCGGCCACCCAGAGCCCTCCAAGGAAACGAGTCAAGGGCAAAGGGAGTGACAAAGACTTTGTGATCAT  
CCGTGCGCCGAAGCTTAGTCGGGAGAATTTCCAGGTGTCTCCTGGGACTCCCTTCCAGATGAGCTGCTC  
CTTGGGATCTTTTCTGTCTGTGCCTCCCTGAGCTGCTGAGAGTCTCGGGCGTTTGAAGAGGTGGTACC  
GCCTCTCGCTCGATGAGTCTCTTGGCAGTCCCTCGACCTCGCGGGTAAAAATCTGCACCCAGACGTGAC  
TGTGCGCTTGCTCTCCGCGGGGTGGTGCCTTCCGCTGCCCTCGGTCTTTATGGAGCAGCCGCTGGGT  
GAAAGTTCAGCTCTTCCGGGTACAGCACATGGACCTGTGCAACTCAGTGATAAATGTGTGCAACCTCC  
ATAAGATTCTGTCCGAGTGCTCCAAGCTGCAGAATCTAAGCCTGGAAGGCCTGCAGCTCTCAGACCCAT  
TGTCAGACTCTTGCACAGAATGAAAACCTGGTGCAGTAAACCTTTGTGGGTGCTCTGGGTTTTCTGAA  
TCTGCCGTGGCGACTCTGCTAAGCAGTGTCTCCAGACTGGATGAGCTAAATCTCTCTGGTCTTTGACT  
TCACTGAAAAGCACGTGCAAGCGGCTGTGCACATTTACCAACACCATCACCCAGCTGAACCTCAGCGG  
CTACCGAAAAGAACTCCAGAAAACAGATCTTTGTACCATAATTAACGATGCCCCAACTCATCCGCCTC  
GACTTAAGTGACAGTATCATGCTAAAGAATGACTGCTTTCCAGAATTTTTTCAACTCAACTACCTCCAAC  
ACCTCTCGCTCAGCCGGTCTATGATATAATACCTGATACTCTACTTGAACCTGGAGAAATTCCTACACT  
AAAAACGCTACAAGTTTTTGAATCGTGCCAGAGGGAACCCCTCAGCTACTGAGGGAAGCTCTTCTCGG  
CTGCAGATTAAGTGCCTATTTACCACCATTGCAAGGCCAACTATGGACAGCAAGAAGAAGCTGGAGA  
TTTGGGTATCAAGTGCCGACTGACTCTGCAAAAGCCAGTTGTCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229654 representing NM\_001285980  
Red=Cloning site Green=Tags(s)

MGVSALEKEEVDSENIPHGLLSNLGHPQSPPRKRVKGGSDKDFVIIRPKLSRENFPGVSWDSLPELL  
 LGIFSCLCLPELLRVSGVCKRWYRLSLDESLWQSLDLAGKNLHPDVTVRLLSRGVAVFRCPFSFMEQPLG  
 ESFSSFRVQHMDLSNSVINVSNLHKILSECSKLQNLSEGLQLSDPIVKTLAQENLVRNLNCGCSGFSE  
 SAVATLLSSCSRDLDELNLSWCFDFTEKHVQA AVAHL PNTITQLNLSGYRKNLQKTDLCTIIKRCPNLIRL  
 DLSDSIMLKNDCFPEFFQLNYLQHLSLSRCYDIIPDTLLELGEIPTLKTQVFGIVPEGLQLLREALPR  
 LQINCAFYFTTIARPTMDSKKNLEIWGIKCRLLQKPSCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

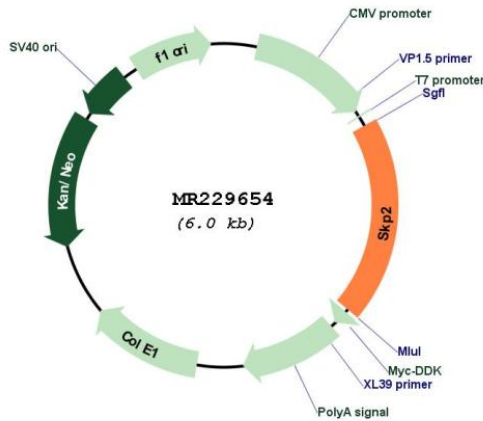
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001285980

<b>ORF Size:</b>	1167 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001285980.1</a> , <a href="#">NP_001272909.1</a>
<b>RefSeq Size:</b>	3140 bp
<b>RefSeq ORF:</b>	1170 bp
<b>Locus ID:</b>	27401
<b>Cytogenetics:</b>	15 A1
<b>MW:</b>	44.3 kDa
<b>Gene Summary:</b>	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]