

Product datasheet for **MR206755**

Skp2 (NM_013787) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Skp2 (NM_013787) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Skp2
Synonyms:	4930500A04Rik; FBXL1; FWD1; p45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206755 representing NM_013787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCATAGGAAGCACCTTCAGGAGATCCGGACCAGAGTGGCAACGTACCACCAGCTTCACGTGGGGAT
 GGGATTCCAGCAAGACTTCTGAACTGCTATCAGGCATGGGTGTCTCGGCCTTGGAGAAGGAGGAGTGGA
 CAGTGAGAACATCCCACATGGACTGCTCTCAAACCTCGGCCACCCCCAGAGCCCTCCAAGGAAACGAGTC
 AAGGGCAAAGGGAGTGACAAAGACTTTGTGATCATCCGTCGGCCGAAGCTTAGTCGGGAGAACTTTCCAG
 GTGTCTCCTGGGACTCCCTCCAGATGAGCTGCTCCTTGGGATCTTTTCTGTCTGTGCCTCCCTGAGCT
 GCTGAGAGTCTCGGGCGTTTGAAGAGGTGTACCGCCTCTCGCTCGATGAGTCTCTTGGCAGTCCCTC
 GACCTCGGGGTAAAACTGCACCCAGACGTGACTGTGCGCTTGTCTCCCGGGGTGGTGCCTTCC
 GCTGCCCTCGGTCTTTATGGAGCAGCCGCTGGGTGAAAGCTTCCAGCTCTTCCGGGTACAGCACATGGA
 CCTGTGCAACTCAGTGATAAATGTGTCGAACCTCCATAAGATTCTGTCCGAGTGTCCAAGTGCAGAAT
 CTAAGCCTGGAAGGCCTGCAGCTCTCAGACCCATTGTCAAGACTTGTACAGAATGAAAACCTTGGTGC
 GACTAAACCTTTGTGGGTGCTCTGGGTTTTCTGAATCTGCCGTGGCGACTCTGCTAAGCAGCTGCTCCAG
 ACTGGATGAGCTAAATCTCTCCTGGTGTCTTACTTCACTGAAAAGCACGTGCAAGCGGCTGTGGCAGAT
 TTACCAAACACCATCACCCAGCTGAACCTCAGCGGCTACCGAAAGAACCTCCAGAAAACAGATCTTTGTA
 CCATAATTAACGATGCCCAACCTCATCCGCCTCGACTTAAGTGACAGTATCATGCTAAAGAATGACTG
 CTTTCCAGAATTTTTCAACTCACTACCTCAACACCTCTCGCTCAGCCGGTGCATGATATAAATACCT
 GATACTCTACTGAACTGGAGAAATTCCTACACTAAAAACGCTACAAGTTTTTGAATCGTGCCAGAGG
 GAACCCCTCAGCTACTGAGGGAAGCTCTTCTCGGCTGCAGATTAAGTGCCTATTTACCACCATTGC
 AAGGCCAACTATGGACAGCAAGAAGAACCTGGAGATTTGGGGTATCAAGTGCCGACTGACTCTGCAAAAG
 CCCAGTTGTCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206755 representing NM_013787
 Red=Cloning site Green=Tags(s)

MHRKHLQEIPDQSGNVTTSTFTWGWDSKTSSELLSGMGVSALEKEEVDSENIPHGLLSNLGHPQSPRKR
 KGKGSDDKDFVIRRPKLSRENFPGVSWDSLPEDELLGIFSCCLPELLRVSGVCKRWYRLSLDESLWQSL
 DLAGKNLHPDVTVRLLSRGVVAFRCPRSFMEQPLGESFSSFRVQHMDLSNSVINVSNLHKILSECSKLQN
 LSLEGLQLSDPIVKTLAQENLVRNLNLCGCSGFSESAVATLLSSCSRLDELNLSWCFDFTEKHVQAAVAH
 LPNTITQLNLSGYRKNLQKTDLCTIIKRCPNLIRLDLSDSIMLKNDCFPEFFQLNYLQHLSLSRCYDIIP
 DTLLELGEIPTLKTQVFGIVPEGLQLLREALPRLQINCAFYFTTIARPTMDSKKNLEIWGIKRLTLQK
 PSCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9033_f08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_013787

ORF Size: 1272 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_013787.3](#), [NP_038815.1](#)

RefSeq Size: 3204 bp

RefSeq ORF: 1275 bp

Locus ID: 27401

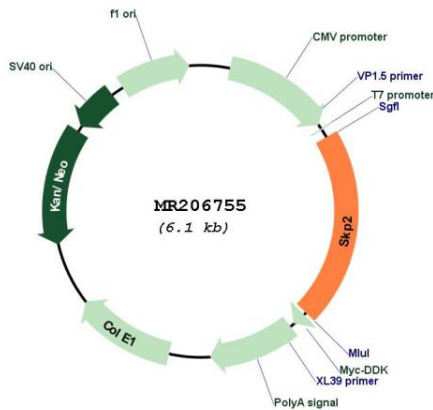
UniProt ID: [Q9Z0Z3](#)

Cytogenetics: 15 A1

MW: 48.2 kDa

Gene Summary: 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]

Product images:



Circular map for MR206755