

Product datasheet for MR201292

Skp1a (NM_011543) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Skp1a (NM_011543) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Skp1a
Synonyms: 15kDa; 2610043E24Rik; 2610206H23Rik; EMC19; OCP-II; OCP2; p19A; p19Skp1; SKP1; Tceb11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR201292 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCTACGATAAAGTTGCAGAGTTCTGATGGAGAGATATTTGAAGTTGATGTAGAAATTGCCAAACAAT
 CTGTGACTATCAAGACCATGCTGGAAGATTTGGGAATGGATGATGAAGGAGATGATGATCCTGTTCTTT
 ACCAAATGTTAATGCAGCAATTCTAAAGAAGGTCATTCAGTGGTGCACCCACCACAAAGATGACCCTCT
 CCTCCTGAGGATGATGAAAACAAAGAAAAGCGGACAGATGATATTCCTGTTTGGGACCAAGAATTCCTGA
 AAGTTGACCAAGGAACACTTTTTGAACCTATTCTGGCTGCAAACTACTTAGACATCAAAGTTTTGCTTGA
 TGTACATGCAAGACTGTGGCCAATATGATTAAGGGGAAAACCTCTGAGGAGATTCGTAACCTCAAT
 ATCAAAAATGACTTTACTGAAGAGGAAGAGGCCACGGTACGAAAGAGAACCAATGGTGTGAAGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201292 protein sequence
 Red=Cloning site Green=Tags(s)

MPTIKLQSSDGEIFEVDVEIAKQSVTIKTMLEDLGMDDEGDDDPVPLPNVNAAILKKVIQWCTHHKDDPP
 PPEDDENKEKRTDDIPVWDQEFKVDQGTFLFELILAANYLDIKLLDVTCKTVANMIKGTPEEIRKTFN
 IKNDFTEEEEAQVRKENQWCEEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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_011543.4</u> , <u>NP_035673.3</u>
RefSeq Size:	1454 bp
RefSeq ORF:	492 bp
Locus ID:	21402
UniProt ID:	<u>Q9WTX5</u>
Cytogenetics:	11 31.86 cM
MW:	18.7 kDa
Gene Summary:	<p>Essential component of the SCF (SKP1-CUL1-F-box protein) ubiquitin ligase complex, which mediates the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, serves as an adapter that links the F-box protein to CUL1. The functional specificity of the SCF complex depends on the F-box protein as substrate recognition component. SCF(BTRC) and SCF(FBXW11) direct ubiquitination of CTNNB1 and participate in Wnt signaling. SCF(FBXW11) directs ubiquitination of phosphorylated NFKBIA. SCF(BTRC) directs ubiquitination of NFKBIB, NFKBIE, ATF4, SMAD3, SMAD4, CDC25A, FBXO5, CEP68 and probably NFKB2. SCF(SKP2) directs ubiquitination of phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. SCF(SKP2) directs ubiquitination of ORC1, CDT1, RBL2, ELF4, CDKN1A, RAG2, FOXO1A, and probably MYC and TAL1. SCF(FBXW7) directs ubiquitination of cyclin E, NOTCH1 released notch intracellular domain (NICD), and probably PSEN1. SCF(FBXW2) directs ubiquitination of GCM1. SCF(FBXO32) directs ubiquitination of MYOD1. SCF(FBXO7) directs ubiquitination of BIRC2 and DLGAP5. SCF(FBXO33) directs ubiquitination of YBX1. SCF(FBXO11) directs ubiquitination of BCL6 and DTL but does not seem to direct ubiquitination of TP53. SCF(BTRC) mediates the ubiquitination of NFKBIA at 'Lys-21' and 'Lys-22'; the degradation frees the associated NFKB1-RELA dimer to translocate into the nucleus and to activate transcription. SCF(CCNF) directs ubiquitination of CCP110. SCF(FBXL3) and SCF(FBXL21) direct ubiquitination of CRY1 and CRY2. SCF(FBXO9) directs ubiquitination of TTI1 and TELO2 (By similarity).[UniProtKB/Swiss-Prot Function]</p>