

Recombinant Mouse Skp2 Protein, Myc/DDK-tagged

Cat. No. Skp2-5895M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length S-phase kinase-associated protein 2 (p45) (Skp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	48.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Skp2 S-phase kinase-associated protein 2 [Mus musculus (house mouse)]

Official Symbol Skp2

Synonyms SKP2; S-phase kinase-associated protein 2 (p45); S-phase kinase-associated protein 2; p45; FWD1; F-box protein Skp2; F-box/WD-40 protein 1; cyclin A/CDK2-associated protein p45; cyclin-A/CDK2-associated protein p45; FBXL1; MGC102075; MGC116668

Gene ID 27401

mRNA Refseq NM_013787

Protein Refseq NP_038815

UniProt ID Q9Z0Z3

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