Active Recombinant Full Length Human SKP1 Protein, His-tagged

Cat. No. SKP1-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human SKP1 Protein(1-163 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-163 aa
Form	PBS, pH7.4, containing 0.01% Sarcosyl, 5%Trehalose.
Bio-activity	S-Phase Kinase Associated Protein 1 (SKP1) is a core component of the SKP1-Cullin-F-box (SCF) E3 ubiquitin ligase complex. It is an adaptor protein, connecting cullin and F-box proteins in the complex. SKP1 mediates the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. Previous studies have shown that SKP1 protein is associated with Mitochondrial Dna Depletion Syndrome 13 and Parkinson. To test the effect of SKP1 on cell proliferation, A549 cells were seeded into triplicate wells of 96-well plates and allowed to attach, replaced with various concentrations of recombinant human SKP1. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μof CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Cell viability was assessed by CCK-8

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	assay after incubation with recombinant human SKP1 for 72h. It was obvious that SKP1 significantly decreased cell viability of A549 cells. The ED50 of recombinant human SKP1 is 0.375 μg/ml.
Molecular Mass	22.4kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method).
Purity	>90%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month, at -20°C for 12 months. Aliquot and store at -80°C for 12 month.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SKP1 S-phase kinase-associated protein 1 [Homo sapiens]
Official Symbol	SKP1
Synonyms	SKP1; S-phase kinase-associated protein 1; S phase kinase associated protein 1A (p19A) , SKP1A; EMC19; MGC34403; OCP II; OCP2; p19A; TCEB1L; SIII; OCP-2; p19skp1; organ of Corti protein 2; organ of Corti protein II; cyclin A/CDK2-associated p19; transcription elongation factor B; cyclin A/CDK2-associated protein p19; cyclin-A/CDK2-associated protein p19; RNA polymerase II elongation factor-like protein OCP2; SKP1A; OCP-II;
Gene ID	6500

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mRNA Refseq	NM_006930
Protein Refseq	NP_008861
MIM	601434
UniProt ID	P63208

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