

Recombinant Human SKP2 293 Cell Lysate

Cat. No. SKP2-1812HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for S-phase kinase-associated protein 2 (p45) (SKP2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

SKP2 S-phase kinase-associated protein 2, E3 ubiquitin protein ligase [Homo sapiens]

Official Symbol

SKP2

Synonyms

SKP2; S-phase kinase-associated protein 2, E3 ubiquitin protein ligase; S phase kinase associated protein 2 (p45); S-phase kinase-associated protein 2; FBL1; FBXL1; p45; p45skp2; F-box/LRR-repeat protein 1; CDK2/cyclin A-associated protein p45; S-phase kinase-associated protein 2 (p45); FLB1; MGC1366;

Gene ID

6502

mRNA Refseq

NM_001243120

Protein Refseq

NP_001230049

MIM

601436

UniProt ID

Q13309

Chromosome Location

5p13

Pathway

APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted

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proteins in late mitosis/early G1, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem;

Function

protein binding; ubiquitin-protein ligase activity;

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