Recombinant Human SKP2 Protein, His-tagged

Cat. No. SKP2-012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human S-phase kinase-associated protein 2 (p45) (SKP2), transcript variant 1, with N-terminal HIS tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class; in addition to an F-box, this protein contains 10 tandem leucine-rich repeats. This protein is an essential element of the cyclin A-CDK2 S-phase kinase. It specifically recognizes phosphorylated cyclin-dependent kinase inhibitor 1B (CDKN1B, also referred to as p27 or KIP1) predominantly in S phase and interacts with S-phase kinase-associated protein 1 (SKP1 or p19). In addition, this gene is established as a protooncogene causally involved in the pathogenesis of lymphomas. Alternative splicing of this gene generates three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2011]
Molecular Mass	47.6 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	50mM Tris, 8M Urea, pH 8.0.

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

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