

Recombinant Full Length Human SKP2 Protein

Cat. No. SKP2-479HF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant full length Human SKP2 (amino acids 1-424) with N terminal proprietary tag; Predicted MWt 72.71 kDa including the tag.

Species Human

Source In Vitro Cell Free System

ProteinLength 424 amino acids

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Liquid
Molecular Mass	72.710kDa inclusive of tags
AA Sequence	MHRKHLQEIPDLSSNVATSFTWGWDSSTSELLSGMGVSA LEKEEPDSENIPQELL SNLGHPESPPrKRLKSKGSDKDFV IVRRPKLNRENFPGVSWDSLPEDELLLGIFSCLC LPELLKV SGVCKRWYRLASDESLWQTLDLTGKNLHPDVTGRLLSQGV IAFRCPRSF MDQPLAEHFSPFRVQHMDLSNSVIEVSTLHG ILSQCCKLQNLSEGLRLSDPIVNTL AKNSNLVRLNLSGC SGFSEFALQTLSSCSRDELNLSWCFDFTEKHVQVAVAH VS ETITQLNLSGYRKNLQKSDLSTLVRRCPNLVHLDLSDS VMLKNDCFQEFFQLNYLQ HLSLSRCYDIIPETLLELGEIP TLKTLQVFGIVPDGTLQLLKEALPHLQINCSHFETTIAR PT IGNKKNQEIWGIKCRLTLQKPSCL
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	SKP2 S-phase kinase-associated protein 2 (p45) [Homo sapiens]
Official Symbol	SKP2
Synonyms	SKP2; S-phase kinase-associated protein 2 (p45); S-phase kinase-associated protein 2; FBL1; FBXL1
Gene ID	6502

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mRNA Refseq	NM_001243120
Protein Refseq	NP_001230049
MIM	601436
UniProt ID	Q13309

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