

## Product datasheet for TP314001

### SKP2 (NM\_005983) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human S-phase kinase-associated protein 2 (p45) (SKP2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214001 representing NM_005983 Red=Cloning site Green=Tags(s)

MHRKHLQEIPDLSSNVATSFTWGWDSKTSSELLSGMGVSALEKEEPDSENIPQELLSNLGHPESP RRKRL  
KSKGSDKDFVIVRRPKLNRENFPGVSWDSLPDELLLGIFSCCLPELLKVGCVCKRWYRLASDESLWQTL  
DLTGKNLHPDVTGRLLSQGVIAFRCP RSFMDQPLAEHFSPFRVQHMDLSNSVIEVSTLHGILSQCSKLQN  
LSLEGLRLSDPIVNTLAKNSNLVRLNLSGCSGFSEFALQTLSSCSRDELNLSWCFDFTEKHVQVAVAH  
VSETITQLNLSGYRKNLQKSDLSTLVRRCPNLVHLDLSDSVMKND CFQEFFQLNYLQHLSLSRCYDIIP  
ETLLELGEIPTLKTQVFGIVPDGTLQLLKEALPHLQINCSHFTTIARPTIGNKKNQEIWGIKCRLTLQK  
PSCL

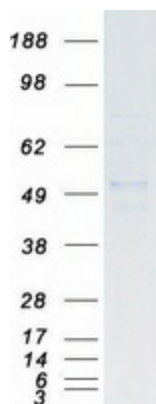
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	47.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Cell treatment (PMID: <a href="#">27572672</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_005974</a>
<b>Locus ID:</b>	6502
<b>UniProt ID:</b>	<a href="#">Q13309</a>
<b>RefSeq Size:</b>	1600
<b>Cytogenetics:</b>	5p13.2
<b>RefSeq ORF:</b>	1272
<b>Synonyms:</b>	FBL1; FBXL1; FLB1; p45
<b>Summary:</b>	<p>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]</p>
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Acute myeloid leukemia, Apoptosis, Cell cycle, Oocyte meiosis, p53 signaling pathway, Pathways in cancer, Progesterone-mediated oocyte maturation, Small cell lung cancer, Ubiquitin mediated proteolysis

**Product images:**

Coomassie blue staining of purified SKP2 protein (Cat# TP314001). The protein was produced from HEK293T cells transfected with SKP2 cDNA clone (Cat# [RC214001]) using MegaTran 2.0 (Cat# [TT210002]).