

Product datasheet for TP314001L

SKP2 (NM_005983) Human Recombinant Protein

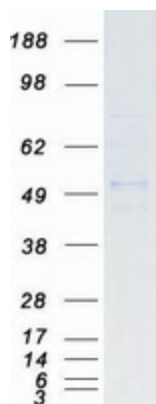
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human S-phase kinase-associated protein 2 (p45) (SKP2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214001 representing NM_005983 Red =Cloning site Green =Tags(s) MHRKHLQEIPDLSSNVATSFTWGWDSSTSELLSGMGVSALEKEEPDSENIPQELLSNLGHPESPPrKRL KSKGSDKDFVIVRRPKLNRENFPGVSWDSLPEDELLGIFSCCLPELLKVSGVCKRWYRLASDESLWQTL DLTGKNLHPDVTGRLLSQGVIAFRCPRSFMDQPLAEHFSPFRVQHMDLSNSVIEVSTLHGILSQCSKLQN LSLEGLRLSDPIVNTLAKNSNLVRLNLSGCSGFSEFALQTLSSCSRLDELNLSWCFDFTEKHVQVAVAH VSETITQLNLSGYRKNLQKSDLSTLVRRCPNLVHLDLSDSVMLKNDCFEFFQLNYLQHLSLSRCYDIIP ETLLELGEIPTLKLQVFGIVPDGTLQLLKEALPHLQINCSHFTTIARPTIGNKKNQEIWGIKRLTLQK 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: 27572672)
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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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005974
Locus ID:	6502
UniProt ID:	Q13309
RefSeq Size:	1600
Cytogenetics:	5p13.2
RefSeq ORF:	1272
Synonyms:	FBL1; FBXL1; FLB1; p45
Summary:	<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>
Protein Families:	Druggable Genome
Protein Pathways:	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]).