

Product datasheet for PH314001

SKP2 (NM_005983) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SKP2 MS Standard C13 and N15-labeled recombinant protein (NP_005974)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214001
Predicted MW:	47.6 kDa
Protein Sequence:	>RC214001 representing NM_005983 Red=Cloning site Green=Tags(s)
	MHRKHLQEIPDLSSNVATSFTWGWDSSTSELLSGMGVSALEKEEPDSENIPQELLSNLGHPESPPRKRL KSKGSDKDFVIVRRPKLNRENFPGVSWDSLPEDELLGIFSCLCLPELLKVSQVCKRWYRLASDESLWQTL DLTGKNLHPDVTGRLLSQGVIAFRCPFSMDQPLAEHFSFPRVQHMDLSNSVIEVSTLHGILSQCSKLQN LSLEGLRLSDPIVNTLAKNSNLVRLNLGSCSGFSEFALQTLSSCSRLDELNLWCDFTEKHVQVAVAH VSETITQLNLGSRKQLKSDLSTLVRRCPNLVHLDLSDSVMKNDCFQEFFQLNYLQHLSLSRCYDIIP ETLLELGEIPTLKTQVFGIVPDGTLQLLKEALPHLQINCSHFTTIARPTIGNKKNQEIWGIKRLTLQK PSCL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005974
RefSeq Size:	1600
RefSeq ORF:	1272
Synonyms:	FBL1; FBXL1; FLB1; p45



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Locus ID: 6502

UniProt ID: [Q13309](#), [A0A024R069](#)

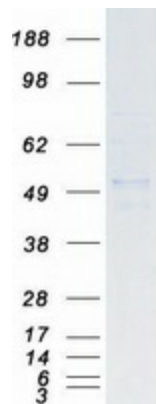
Cytogenetics: 5p13.2

Summary: 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]

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]).