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Product datasheet for SC313400

SKP2 (NM_005983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKP2 (NM_005983) Human Untagged Clone
Tag:	Tag Free
Symbol:	SKP2
Synonyms:	FBL1; FBXL1; FLB1; p45
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005983 edited GCGGACGCTATGCACAGGAAGCACCTCCAGGAGATTCCAGACCTGAGTAGCAACGTTGCC ACCAGCTTCACGTGGGGATGGGATTCCAGCAAGACTTCTGAACTGCTGTCAGGCATGGGG GTCTCCGCCCTGGAGAAAGAGGAGCCCGACAGTGAGAACATCCCCCAGGAACTGCTCTCA AACCTGGGCCACCCGGAGAGCCCCCCACGGAAACGGCTGAAGAGCAAAGGGAGTGACAAA GACTTTGTGATTGTCCGCAGGCCTAAGCTAAATCGAGAGAACTTTCCAGGTGTTTCATGG GACTCCCTTCCGGATGAGCTGCTCTTGGGAATCTTTTCCTGTCTGTGCCTCCCTGAGCTG CTAAAGGTCTCTGGTGTTTGTAAGAGGTGGTATCGCCTAGCGTCTGATGAGTCTCTATGG CAGACCTTAGACCTCACAGGTAAAAATCTGCACCCGGATGTGACTGGTCGGTTGCTGTCT CAAGGGGTGATTGCCTTCCGCTGCCCACGATCATTTATGGACCAACCATTGGCTGAACAT TTCAGCCCTTTTCGTGTACAGCACATGGACCTATCGAACTCAGTTATAGAAGTGTCCACC CTCCACGGCATACTGTCTCAGTGTTCCAAGTTGCAGAATCTAAGCCTGGAAGGCCTGCGG CTTTCGGATCCCATTGTCAATACTCTCGCAAAAAACTCAAATTTAGTGCGACTTAACCTT TCTGGGTGTTCTGGATTCTCTGAATTTGCCCTGCAGACTTTGCTAAGCAGCTGTTCCAGA CTGGATGAGCTGAACCTCTCCTGGTGTTTTGATTTCACTGAAAAGCATGTACAGGTGGCT GTTGCGCATGTGTCAGAGACCATCACCCAGCTGAATCTTAGCGGCTACAGAAAGAATCTC CAGAAATCAGATCTCTCTACTTTAGTTAGAAGATGCCCCAATCTTGTCCATCTAGACTTA AGTGATAGTGTCATGCTAAAGAATGACTGCTTTCAGGAATTTTTCCAGCTCAACTACCTC CAACACCTATCACTCAGTCGGTGCTATGATATAATACCTGAAACTTTACTTGAACTTGGA GAAATTCCCACACTAAAAACACTACAAGTTTTTGGAATCGTGCCAGATGGTACCCTTCAA CTGTTAAAGGAAGCCCTTCCTCATCTACAGATTAATTGCTCCCATTTCACCACCATTGCC AGGCCAACTATTGGCAACAAAAAGAACCAGGAGATATGGGGCATCAAATGCCGACTGACA CTGCAAAAGCCCAGTTGTCTATGA
Restriction Sites:	Please inquire
ACCN:	NM_005983

View online »

Insert Size:	1300 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	It is not a varient.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_005983.2, NP_005974.2
RefSeq Size:	1600 bp
RefSeq ORF:	1275 bp
Locus ID:	6502
UniProt ID:	Q13309
Cytogenetics:	5p13.2
Domains:	LRR, F-box, LRR_CC
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

Gene 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.