

Recombinant Human S-phase kinase-associated protein 1(SK P1)

Catalog No: #AP70779

Package Size: #AP70779-1 20ug #AP70779-2 100ug #AP70779-3 1mg

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Description

Product Name	Recombinant Human S-phase kinase-associated protein 1(SK P1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-163aaSequence Info:Full Length
Other Names	Cyclin-A,CDK2-associated protein p19 ;p19AOrgan of Corti protein 2 ;OCP-2Organ of Corti protein II ;OCP-IIIRNA polymerase II elongation factor-like protein;SIITranscription elongation factor B polypeptide 1-likep19skp1
Accession No.	P63208
Calculated MW	45.5 kDa
Tag Info	C-terminal GST-tagged
Target Sequence	PSIKLQSSDGEIFEVDVEIAKQSVTIKTMLEDLGMDDEGDDDPVPLPNVNAAILKKVIQWCTHHKDDPPPPEDD ENKEKRTDDIPVWDQEFLLKVDQGTFLFELILAANYLDIKGLLDVTCKTVANMIKGGKTPEEIRKTFNIKNDFTEEEEEA QVRKENQWCEEK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Essential component of the SCF (SKP1-CUL1-F-box protein) ubiquitin ligase complex, which mediates the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, serves as an adapter that links the F-box protein to CUL1. The functional specificity of the SCF complex depends on the F-box protein as substrate recognition component. SCF(BTRC) and SCF(FBXW11) direct ubiquitination of CTNNB1 and participate in Wnt signaling. SCF(FBXW11) directs ubiquitination of phosphorylated NFKBIA. SCF(BTRC) directs ubiquitination of NFKBIB, NFKBIE, ATF4, SMAD3, SMAD4, CDC25A, FBXO5 and probably NFKB2. SCF(SK P2) directs ubiquitination of phosphorylated CDKN1B,p27kip and is involved in regulation of G1,S transition. SCF(SK P2) directs ubiquitination of ORC1, CDT1, RBL2, ELF4, CDKN1A, RAG2, FOXO1A, and probably MYC and TAL1. SCF(FBXW7) directs ubiquitination of cyclin E, NOTCH1 released notch intracellular domain (NICD), and probably PSEN1. SCF(FBXW2) directs ubiquitination of GCM1. SCF(FBXO32) directs ubiquitination of MYOD1. SCF(FBXO7) directs ubiquitination of BIRC2 and DLGAP5. SCF(FBXO33) directs ubiquitination of YBX1. SCF(FBXO11) directs ubiquitination of BCL6 and DTL but does not se to direct ubiquitination of TP53. SCF(BTRC) mediates the ubiquitination of NFKBIA at 'Lys-21' and 'Lys-22'; the degradation frees the associated NFKB1-RELA dimer to translocate into the nucleus and to activate transcription. SCF(CCNF) directs ubiquitination of CCP110. SCF(FBXL3) and SCF(FBXL21) direct ubiquitination of CRY1 and CRY2. SCF(FBXO9) direct ubiquitination of TTI1 and TELO2. SCF(FBXO10) direct ubiquitination of BCL2.

References

p19Skp1 and p45Skp2 are essential elements of the cyclin A-CDK2 S phase kinase.Zhang H., Kobayashi R., Galaktionov K., Beach D.Cell

Note: This product is for in vitro research use only and is not intended for use in humans or animals.