Datasheet for ABIN7555572

SKP2 Protein (AA 1-424) (His tag)

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Overview

Quantity:	1 mg
Target:	SKP2
Protein Characteristics:	AA 1-424
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SKP2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SKP2 Protein expressed in mammalian cells.
Sequence:	MHRKHLQEIP DLSSNVATSF TWGWDSSKTS ELLSGMGVSA LEKEEPDSEN IPQELLSNLG HPESPPRKRL KSKGSDKDFV IVRRPKLNRE NFPGVSWDSL PDELLLGIFS CLCLPELLKV SGVCKRWYRL ASDESLWQTL DLTGKNLHPD VTGRLLSQGV IAFRCPRSFM DQPLAEHFSP FRVQHMDLSN SVIEVSTLHG ILSQCSKLQN LSLEGLRLSD PIVNTLAKNS NLVRLNLSGC SGFSEFALQT LLSSCSRLDE LNLSWCFDFT EKHVQVAVAH VSETITQLNL SGYRKNLQKS DLSTLVRRCP NLVHLDLSDS VMLKNDCFQE FFQLNYLQHL SLSRCYDIIP ETLLELGEIP TLKTLQVFGI VPDGTLQLLK EALPHLQINC SHFTTIARPT IGNKKNQEIW GIKCRLTLQK PSCL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SKP2
Alternative Name:	SKP2 (SKP2 Products)
Background:	S-phase kinase-associated protein 2 (Cyclin-A/CDK2-associated protein p45) (F-box protein Skp2) (F-box/LRR-repeat protein 1) (p45skp2),FUNCTION: Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription (PubMed:11931757, PubMed:12435635, PubMed:12769844, PubMed:12840033, PubMed:15342634, PubMed:15668399, PubMed:15949444, PubMed:16103164, PubMed:16262255, PubMed:16581786, PubMed:16951159, PubMed:17908926, PubMed:17962192, PubMed:22770219, PubMed:32267835). Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition (By similarity). Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1, CDT1, RBL2, KMT2A/MLL1, CDK9, RAG2, FOXO1, UBP43, YTHDF2, and probably MYC, TOB1 and TAL1 (PubMed:11931757, PubMed:12435635, PubMed:12769844, PubMed:12840033, PubMed:15342634, PubMed:15668399,

Target Details

	PubMed:15949444, PubMed:16103164, PubMed:17962192, PubMed:16581786, PubMed:16951159, PubMed:17908926, PubMed:32267835). Degradation of TAL1 also requires STUB1 (PubMed:17962192). Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2 (PubMed:16262255). Promotes ubiquitination and destruction of CDH1 in a CK1-dependent manner, thereby regulating cell migration (PubMed:22770219). {ECO:0000250|UniProtKB:Q9Z0Z3, ECO:0000269|PubMed:11931757, ECO:0000269|PubMed:12435635, ECO:0000269|PubMed:12769844, ECO:0000269|PubMed:12840033, ECO:0000269|PubMed:15342634, ECO:0000269|PubMed:15668399, ECO:0000269|PubMed:15949444, ECO:0000269|PubMed:16103164, ECO:0000269|PubMed:16262255, ECO:0000269|PubMed:16581786, ECO:0000269|PubMed:16951159, ECO:0000269|PubMed:17908926, ECO:0000269|PubMed:17962192, ECO:0000269|PubMed:22770219, ECO:0000269|PubMed:32267835}., FUNCTION: Through the ubiquitin-mediated proteasomal degradation of hepatitis C virus non-structural protein 5A, has an antiviral activity towards that virus. {ECO:0000269|PubMed:27194766}.
Molecular Weight:	47.8 kDa
UniProt:	Q13309
Pathways:	Mitotic G1-G1/S Phases

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months