

Lot # XXXXX

## MATERIAL DATA SHEET

### SKP1/SKP2 Complex, *human recombinant*

Cat. # E3-521

SKP1 (S-phase kinase-associated protein 1) is an essential component of SCF (SKP1-CUL1-F-box protein) E3 Ubiquitin ligases that mediate the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. SKP1 is the adapter protein that links Cullin-1 to various F-box proteins (such as SKP2) that serve as the substrate recognition components of SCF ligases. SKP2 targets include proteins involved in cell cycle progression and signal transduction. SKP2 specifically recognizes phosphorylated CDKN1B/p27kip and is involved in G1/S transition in a CKS1-dependent process. This recombinant protein is untagged.

#### Product Information

<b>Quantity:</b>	25 µg
<b>Stock:</b>	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 150 mM NaCl, 10% (v/v) Glycerol, 1 mM TCEP
<b>MW:</b>	19 kDa (SKP1), 48 kDa (SKP2)
<b>Purity:</b>	> 85% by SDS-PAGE by SDS-PAGE under reducing conditions and visualized with Colloidal Coomassie Blue Stain.

#### Use & Storage

<b>Use:</b>	Typical protein concentration for use <i>in vitro</i> will depend on experimental conditions.
<b>Storage:</b>	Store at -80°C. Avoid multiple freeze/thaw cycles.

#### Literature

<b>References:</b>	Goldenberg S.J., <i>et al.</i> (2004) <i>Cell</i> <b>119</b> : 517 Hristova V.A., <i>et al.</i> (2012) <i>Mol. Cell</i> <b>47</b> : 331 Tedesco D. <i>et al.</i> (2002) <i>Genes &amp; Dev.</i> doi: 10.1101/gad.1011202 Wang W. <i>et al.</i> (2005) <i>Biochemistry</i> doi.org/10.1021/bi051071j Wu G., <i>et al.</i> (2003) <i>Mol. Cell</i> <b>11</b> : 1445
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