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## MATERIAL DATA SHEET

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### Recombinant Human SKP1/SKP2 Complex

#### 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 recognizes phosphorylated CDKN1B/p27Kip and is involved in G1-S cell cycle transition in a CKS1-dependent manner.

#### Product Information

<b>Quantity:</b>	25 µg
<b>MW:</b>	19 kDa (SKP1), 48 kDa (SKP2)
<b>Source:</b>	<i>Spodoptera frugiperda</i> , Sf21 (baculovirus)-derived human SKP1/SKP2 Complex protein
<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>Purity:</b>	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

#### Use & Storage

<b>Use:</b>	Typical protein concentration for use in vitro will depend on experimental conditions.
<b>Storage:</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"><li>• 36 months from date of receipt, -70 °C as supplied.</li><li>• 3 months, -70 °C under sterile conditions after opening.</li></ul>

## Literature

### References:

1. Goldenberg S.J. et al. (2004) *Cell* **119**: 517
2. Hristova V.A. et al. (2012) *Mol. Cell* **47**: 331
3. Tedesco D. et al. (2002) *Genes & Dev.* doi:10.1101/gad.1011202
4. Wang W. et al. (2005) *Biochemistry* doi.org/10.1021/bi051071j
5. Wu G. et al. (2003) *Mol. Cell* **11**: 1445

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