
MATERIAL DATA SHEET

Recombinant Human CUL1/RBX1 Complex His-tag

Cat. # E3-410

Cullin-1 (CUL1) is a core component of multiple SCF (SKP1-CUL1-F-box) E3 Ubiquitin ligase complexes that mediate the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, CUL1 serves as a scaffold that organizes the SKP1-F-box recognition subunits with the RBX1 subunit and contributes to catalysis through positioning of the substrate and an E2 ubiquitin-conjugating enzyme. In vivo, the E3 ubiquitin ligase activity of the SCF complex is dependent on neddylation of the cullin subunit, though neddylation may be dispensable for some in vitro reactions. This complex consists of an N-terminal 10-His tagged CUL1 and an untagged RBX1.

Product Information

Quantity:	25 µg
MW:	96kDa (CUL1), 12 kDa (RBX1)
Source:	<i>Spodoptera frugiperda</i> , Sf21 (baculovirus)-derived human CUL1/RBX1 Complex protein Accession # Q13616, P62877
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 1 mM DTT
Purity:	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Use & Storage

Use:	Typical enzyme concentration to support in vitro conjugation will depend on experimental conditions.
Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 60 months from date of receipt, -70 °C as supplied.• 3 months, -70 °C under sterile conditions after opening.

Literature

References:

1. Baek K., et al. (2020) *Nature* **578**: 461
2. Duda D.M., et al. (2008) *Cell* **134**: 995
3. Duda D.M., et al. (2012) *Mol. Cell* **47**: 371
4. Goldenberg S.J., et al. (2004) *Cell* **119**: 517
5. Zheng N., et al. (2002) *Nature* **416**: 703

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