MATERIAL DATA SHEET

CUL1/RBX1 Complex, *human recombinant*
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 (UniProt Q13616) and untagged RBX1 (UniProt P62877).

### Product Information

| Quantity: | 25 µg |
| Stock: | X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 1 mM DTT |
| MW: | 96 kDa (Cullin-1) + 12 kDa (Rbx1) |
| Purity: | > 95% by SDS-PAGE by SDS-PAGE under reducing conditions and visualized with Colloidal Coomassie Blue Stain. |

### Use & Storage

**Use:** Typical protein concentration for use *in vitro* will depend on experimental conditions.

**Storage:** Store at -80°C. Avoid multiple freeze/thaw cycles.

### Literature

**References:**

*For Laboratory Research Use Only, Not For Use in Humans*

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