

Lot # XXXXX

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 <i>in vitro</i> will depend on experimental conditions.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Duda D.M., <i>et al.</i> (2008) <u>Cell</u> 134 : 995 Duda D.M., <i>et al.</i> (2012) <u>Mol. Cell</u> 47 : 371 Goldenberg S.J., <i>et al.</i> (2004) <u>Cell</u> 119 : 517 Zheng N., <i>et al.</i> (2002) <u>Nature</u> 416 : 703
--------------------	---

For Laboratory Research Use Only, Not For Use in Humans

Rev: 12/20/2018

840 Memorial Drive, Cambridge, MA 02139 Phone: 617-576-2210 FAX: 617-492-3565
www.bostonbiochem.com

The contents of this datasheet (unless otherwise noted) are Copyright © 2008 Boston Biochem, Inc. All rights reserved. Duplication in whole or in part is strictly prohibited without the express written consent of Boston Biochem, Inc. "Boston Biochem" is a Trademark of Boston Biochem, Inc., 840 Memorial Drive, Cambridge, MA 02139.