

Recombinant Human CUL4A/NEDD8/RBX1 Complex Protein, His-Tagged

Cat. No. CUL4A-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CUL4A/NEDD8/RBX1 Complex Protein, His-Tagged was expressed in sf21 cell
Species	Human
Source	Sf21 Cells
Description	<p>Cullin-4A (CUL4A) is a core component of multiple cullin-RING type E3 Ubiquitin ligase complexes that mediate the ubiquitination of proteins involved in cell cycle progression, DNA repair and other processes. In the DCX complex (DDB1-CUL4-X-box) CUL4A serves as a scaffold that organizes the DDB1-X-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 DCX 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 CUL4A and an untagged RBX1. CUL4A is neddylated in this complex.</p>
Molecular Mass	104 kDa (neddylated CUL4A), 12 kDa (RBX1)
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
Usage	Typical enzyme concentration to support in vitro conjugation will depend on

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experimental conditions.

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
60 months from date of receipt, -70 °C as supplied.
3 months, -70 °C under sterile conditions after opening.

Storage Buffer

X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 1 mM DTT

Shipping

The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name

CUL4A cullin 4A [Homo sapiens (human)]

Official Symbol

CUL4A

Gene ID

8451

mRNA Refseq

NM_001008895.4

Protein Refseq

NP_001008895.1

MIM

603137

UniProt ID

Q13619

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