CUL2/RBX1, *human recombinant*

**Cat. # E3-420**

Cullin-2 (CUL2) is a core component of multiple cullin-RING based “ECS” (Elongin B/C-CUL2-SOCS-box protein) E3 Ubiquitin ligase complexes that mediate the ubiquitination of proteins involved in a variety of cellular processes. In the ECS complex, Cullin-2 serves as a scaffold that organizes the ELOB/C-associated 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 ECS 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 Cullin-2 (UniProt Q13617) and untagged Rbx1 (UniProt P62877).

### Product Information

<table>
<thead>
<tr>
<th><strong>Quantity:</strong></th>
<th>25 µg</th>
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</thead>
<tbody>
<tr>
<td><strong>Stock:</strong></td>
<td>X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 1 mM DTT</td>
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<tr>
<td><strong>MW:</strong></td>
<td>93 kDa (CUL2), 12 kDa (RBX1)</td>
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<td><strong>Purity:</strong></td>
<td>&gt; 90% by SDS-PAGE by SDS-PAGE under reducing conditions and visualized with Colloidal Coomassie Blue Stain.</td>
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### Use & Storage

**Use:**

Typical enzyme concentration to support conjugation *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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