



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Product Information

<b>Description:</b>	Complex of Rbx1 (Ring-Box 1), Cul4B (cullin 4B), Dcaf11 (Ddb1- and Cul4-associated factor 11) and Ddb1 (Damage specific DNA binding protein 1. Recombinant Rbx1, encompassing amino acids 2-108(end), mutated at M5I, contains an N-terminal His-tag (6xHis). Recombinant Cul4B, encompassing amino acids 3-913(end), contains an N-terminal His-tag (6xHis). Recombinant Dcaf11, encompassing amino acids 2-546(end), contains an N-terminal FLAG-tag. Recombinant human Ddb1, encompassing amino acids 2-1140(end) contains an N-terminal FLAG-tag. These recombinant proteins were co-expressed, and affinity purified.
<b>Background:</b>	Eukaryotic cells have evolved complex mechanisms to regulate cellular pathways and protein quality. Cullin proteins are a family of hydrophobic proteins that serve as scaffold and can complex with RING and adaptor proteins to form CRLs (E3 ligase-Cullin-RING ligase) complexes, which can interact with different substrates and regulate multiple cellular processes. When the CRL Rbx1-Cul4b-Ddb1 binds to Dcaf11 it can target p21 for ubiquitination and regulate cell cycle progression.
<b>Species:</b>	Human
<b>Construct:</b>	Rbx1 (M5I) (His-2-108(end)) / Cul4B (His-3-913(end)) / Dcaf11 (FLAG-2-546(end)) / Ddb1 (FLAG-2-1140(end))
<b>Mutation:</b>	Rbx1: M5I
<b>Concentration:</b>	0.55 mg/ml
<b>Expression System:</b>	HEK293
<b>Purity:</b>	89%
<b>Format:</b>	Aqueous buffer solution.
<b>Formulated In:</b>	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20, and 20% glycerol
<b>MW:</b>	Rbx1: 13 kDa; Cul4B: 105 kDa; Dcaf11: 63 kDa; Ddb1: 128 kDa
<b>Genbank Accession:</b>	Rbx1: NM_014248; Cul4B: NM_003588.4; Dcaf11: NM_025230.5; Ddb1: NM_001923
<b>Stability:</b>	At least 6 months at -80°C.
<b>Storage:</b>	-80°C
<b>Instructions for Use:</b>	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.

## Quality Control Data

### 4-20% SDS-PAGE Coomassie Staining

