

## Product datasheet

# Recombinant Human Cullin 2/CUL-2 protein (Tagged) ab271483

[1 Image](#)

### Description

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**Product name** Recombinant Human Cullin 2/CUL-2 protein (Tagged)

**Purity** >= 45 % SDS-PAGE.

**Expression system** HEK 293 cells

**Accession** [NM\\_003591](#)

**Protein length** Full length protein

**Animal free** No

**Nature** Recombinant

**Species** Human

**Sequence**

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SLKPRVVDFD ETWNKLLTTI KAVVMLEYVE  
RATWNRDFFSD IYALCVAYPE PLGERLYTET KIFLENHVRH  
LHKRVLESEE QVLVMYHRYW EEYSKGADYM  
DCLYRYLNTQ FIKKNKLEA DLQYGYGGVD  
MNEPLMEIGE LALDMWRKLM VEPLQAILIR MLLREIKNDR  
GGEDPNQKVI HGVINSFVHV EQYKKKFKPLK FYQEIFESPF  
LTETGEYYKQ EASNLLQESN CSQYMEKVLG  
RLKDEEIRCR KYLHPSSYTK VIHECQQRMV  
ADHLQFLHAE CHNIRQEKK NDMANMYVLL  
RAVSTGLPHM IQELQNHHD EGLRATSNTL  
QENMPTLFVE SVLEVHGKQV QLINTVLNGD  
QHFMSALDKA LTSVVNYREP KSVCKAPELL  
AKYCDNLLKK SAKGMTENEV EDRLTSFITV  
FKYIDDKDVF QKFYARMLAK RLIHGLSMSM  
DSEEAMINKL KQACGYEFTS KLHRMYTDMS  
VSADLNNKFN NFIKNQDTV I DLGISFQIV LQAGAWPLTQ  
APSSTFAIPQ ELEKSVQMFE LFYSQHFSGR  
KLTWLHLYLCT GEVKMNYLGK PYVAMVTTYQ  
MAVLLAFNNS ETVSYKELQD STQMNEKELT  
KTIKSLLDVK MINHDSEKED IDAESSFSLN MNFSSKRTKF  
KITTSMQKDT PQEMEQRSA VDEDRKMYLQ  
AAVRIMKAR KVLRHNALIQ EVISQSRARF NPSISMIKKC  
IEVLIDKQYI ERSQASADEY SYVA
```

<b>Predicted molecular weight</b>	88 kDa including tags
<b>Amino acids</b>	2 to 745
<b>Tags</b>	DDDDK tag N-Terminus
<b>Additional sequence information</b>	Genbank: NM_003591

## Specifications

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Our **Abpromise guarantee** covers the use of **ab271483** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Store at -80°C. Do Not Freeze. pH: 8.00 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine)
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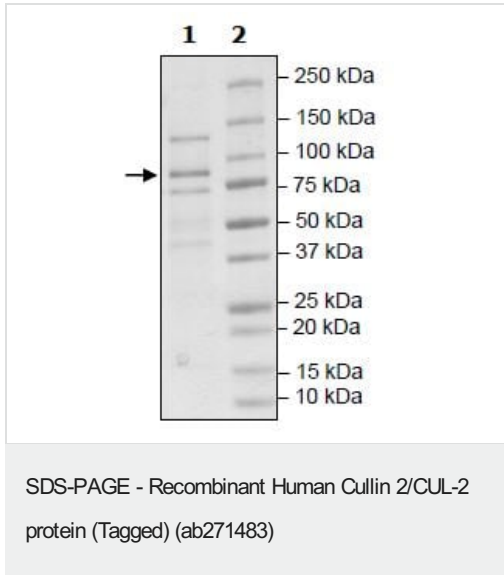
## General Info

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<b>Function</b>	Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. May serve as a rigid scaffold in the complex and may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1 (By similarity). The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).
<b>Pathway</b>	Protein modification; protein ubiquitination.
<b>Sequence similarities</b>	Belongs to the cullin family.
<b>Post-translational modifications</b>	CBC(VHL) complex formation seems to promote neddylation. Deneddylated via its interaction with the COP9 signalosome (CSN) complex.

## Images

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SDS-PAGE analysis of ab271483.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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