

## Recombinant Human CUL1 protein, His-tagged

Cat. No. CUL1-26258TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CUL1(1-410aa) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-410 a.a.
<b>Description</b>	Cullin1, also known CuL1, is a core component of multiple cullin-RING-based SCF (SKP1-CuL1-F-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, it serves as a rigid scaffold that organizes the SKP1-F-box protein and RBX1 subunits. Cullin1 may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl
<b>Molecular Mass</b>	49.4 kDa (430aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MSSTRSQNPH GLKQIGLDQI WDDLRAIGIQQ VYTRQSMAS RYMELYTHVY NYCTSVHQSN QARGAGVPPSKSKKGQTPGG AQFVGLELYK RLKEFLKNYL TNLKDGEDL MDESVLKFYT QQWEDYRFSS KVLNGICAYL NRHWVRRECD EGRKGIYEIYSLALVTWRDC LFRPLNKQVT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NAVLKLIEKE RNGETINTRL ISGVVQSYVE LGLNEDDAFA KGPTLTVYKE  
 SFESQFLADT ERFYTRESTEFLQQNPVTEY MKKAEARLLE EQRRVQVYLH  
 ESTQDELARK CEQVLIKHL EIFHTEFQNL LDADKNEDLG RMYNLVSRIQ  
 DGLGELKKLL  
 ETHIHNQGLA AIEKCGEAAL NDPKMYVQTV LDVHKKYNAL VMSAFNNDAG  
 FVAALDKACG RFINNNAVTK

**Purity** > 95% by SDS - PAGE

**Storage** Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** CUL1 cullin 1 [ Homo sapiens ]

**Official Symbol** CUL1

**Synonyms** CUL1; cullin 1; cullin-1; CUL-1; MGC149834; MGC149835;

**Gene ID** 8454

**mRNA Refseq** NM\_003592

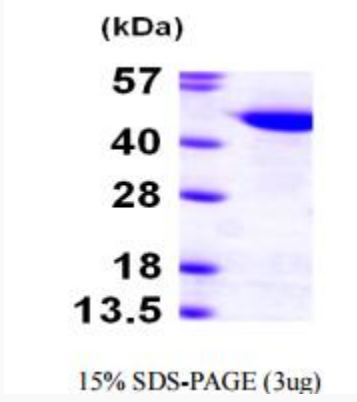
**Protein Refseq** NP\_003583

**MIM** 603134

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<b>UniProt ID</b>	Q13616
<b>Chromosome Location</b>	7q36.1
<b>Pathway</b>	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Cell Cycle, organism-specific biosystem;
<b>Function</b>	protein binding; ubiquitin protein ligase binding;
 <p>(kDa) 57 40 28 18 13.5 15% SDS-PAGE (3ug)</p>	

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