

Recombinant human CuL1 protein

Catalog Number: ATGP0753

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-410aa

UniProt No.

Q13616

NCBI Accession No.

NP_003583

Alternative Names

Cullin-1, CuL-1, Cullin-1, MGC149834, MGC149835

PRODUCT SPECIFICATION

Molecular Weight

49.4 kDa (430aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. Recombinant human CuL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MSSTRSQNPH GLKQIGLDQI WDDLRAIQQ VYTRQSMAS RYMELYTHVY
 NYCTSVHQSN QARGAGVPPS KSKKGQTPGG AQFVGLELYK RLKEFLKNYL TNLLKDGEDL MDESVLKFYT QWEDYRFSS
 KVLNGICAYL NRHWVRRECD EGRKGIYEIY SLALVTWRDC LFRPLNKQVT NAVLKIEKE RNGETINTRL ISGVVQSYVE
 LGLNEDDAFA KGPTLTVYKE SFESQFLADT ERFYTRESTE FLQQNPVTEY MKKAEARLLE EQRRVQVYLH ESTQDELARK
 CEQVLIEKHL EIFHTEFQNL LDADKNEDLG RMYNLVSRIQ DGLGELKKLL ETHIHNQGLA AIEKCGEAL NDPKMYVQTV
 LDVHKYNAL VMSAFNNDAG FVAALDKACG RFINNNAVTK

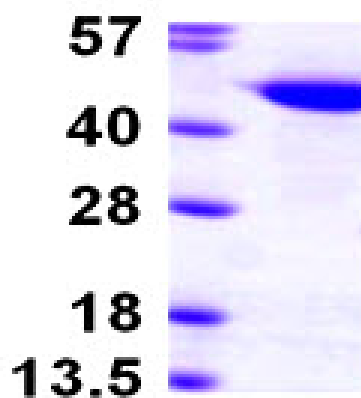
General References

Michel JJ., et al. (1998) Cell Growth Differ. 9(6):435-49.
 Kipreos ET., et al. (1996) Cell. 85(6):829-39.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)