

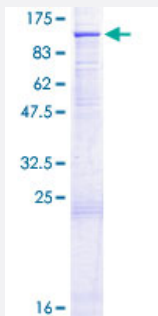
Full-Length

CUL1 (Human) Recombinant Protein (P01)

Catalog # H00008454-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CUL1 full-length ORF (NP_003583.2, 1 a.a. - 776 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSTRSQNP HGLKQIGLDQWDDL RAGIQQVYTRQSMAKSRYMELYTHVYNYCTSVHQS NQARGA
GVPPSKSKKGQTPGGAQFVGLELYKRLKEFLKNYLTNLLKDGEDLMDESVLKFYTQQWEDYRFS
SKVLNGICAYLNRHWVRRECDEGRKGIYEIYSLALVTWRDCLFRPLNKQVTVNAV LKIEKERNGETI
NTRLISGVVQS YVELGLNEDDAFAKGPTLTVYKESFESQFLADTERFYTRETEFLQQNPVTEYMK
KAEARLLEEQR RVQVYLHESTQDELARKCEQVLIEKHLEIFHTEFQNL LDADKNEDLGRMYNLVS
RIQDGLGELKKLLETHIHNQGLAAIEKCGEAA LNDPKMYVQTVLDVHKYNALVMSAFNNDAGFV
AALDKACGRFINNNAVT KMAQSSSKSPELLARYCD SLLKKSSKNPEEAELEDTLNQVMVVF KYIE
DKDVFQKFYAKMLAKRLVHQNSASDDAEASMISKLKQACGFEYTSKLQRMFQDIGVSKDLNEQF
KKHLTNSEPLDLDFS IQVLSSGSWPFQQSCTFALPSELSYQRFTAFYASRHSGRKL TWLYQLS
KGELVTNCFKNRYTLQASTFQMAILLQYNTEDAYTVQQLTDSTQIKMDILAQVLQILLKSKLLVLEDE
NANVDEVELKPD TLIKLYLGYKNKKLRVNINVPMKTEQKQEQTTHKNIEEDRKLLIQAAMRIMKMR
KVLKHQQLLGEVLTQLSSRFKPRVPVIKKCIDILIEKEYLERVDGEKDTYSYLA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

116.1

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CUL1

Entrez GeneID	8454
GeneBank Accession#	NM_003592.2
Protein Accession#	NP_003583.2
Gene Name	CUL1
Gene Alias	MGC149834, MGC149835
Gene Description	cullin 1
Omim ID	603134
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [Calmodulin protects Aurora B on the midbody to regulate the fidelity of cytokinesis.](#)

Mallampalli RK, Glasser JR, Coon TA, Chen BB.

Cell Cycle 2013 Feb; 12(4):663.

Application: Func, Mouse, MLE cells

Pathway

- [Cell cycle](#)
- [TGF-beta signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)
- [Wnt signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Tobacco Use Disorder](#)