

Recombinant Human CUL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CUL1-1332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CUL1 MS Standard C13 and N15-labeled recombinant protein (NP_003583) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	CUL1 (Cullin 1) is a Protein Coding gene. Diseases associated with CUL1 include Vaccinia and Weaver Syndrome. Among its related pathways are Regulation of Wnt-mediated beta catenin signaling and target gene transcription and FBXW7 Mutants and NOTCH1 in Cancer. Gene Ontology (GO) annotations related to this gene include ubiquitin protein ligase binding. An important paralog of this gene is CUL2.
Molecular Mass	89.5 kDa
AA Sequence	MSSTRSQNP HGLKQIGLDQIWDDL RAGIQQVYTRQSM AKSR YME LYTHVYNYCTSV HQSNQARGAGVPPSKSKKGQTPGGAQFVGL ELYKRLKEFLKNYLTNLLKDGEDLM DESVLKFYTTQQWEDYRFSSKVLNGICAYLNRHWVRRECDEGRKGIYEIYSLALVTW RDCLFRPLNKQVTNAVLKLIKERNGETINTRLISGVVQSYVELGLNEDDAFAKGPTL TVYKESFESQFLADTERFYTRETEFLQQNPVTEYMKKAEARLLEEQR RVQVYLHE STQDELARKCEQV LIEKHLEIFHTEFQNL LDADKNE DLGRMYNLVSRIQDGLGELKKL LETHIHNQGLAAIEKCGE AALNDPKMYVQTVLDVHKKYNALVMSAFNNDAGFVAALD KACGRFINNNAVTKMAQSSSKSPELLARYCDSLLKKSSKNPEEAELEDTLNQVMVVF

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KYIEDKDVFQKFYAKMLAKRLVHQNSASDDAEASMISKLKQACGFEYTSKLQRMFQ
 DIGVSKDLNEQFKKHLTNSEPLDLDFSIQVLSSGSWPFQQSCTFALPSELEERSYQRF
 TAFYASRHSRKLTLWLYQLSKGELVTNCFKNRYTLQASTFQMAILLQYNTEDAYTVQ
 QLTDSTQIKMDILAQVLQILLKSKLLVLEDENANVDEVELKPDTLIKLYLGYKNKKLRV
 NINVPMKTEQKQEQTTHKNIEEDRKLIIQAAIVRIMKMRKVLKHQQLLGEVLTQLSS
 RFKPRVPVIKKCIDILIEKEYLERVDGEKDTYSYLATRTRPLEQKLISEEDLAANDILDY
 KDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CUL1 cullin 1 [Homo sapiens (human)]

Official Symbol CUL1

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

Gene ID 8454

mRNA Refseq NM_003592

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Protein Refseq	NP_003583
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MIM	603134
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UniProt ID	Q13616
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