

Recombinant Human CUL1, His-tagged

Cat. No. CUL1-28050TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 525-776 of Human Cullin 1 with N terminal His tag; Predicted MWt 30 kDa.
Species	Human
Source	E.coli
ProteinLength	525-776 a.a.
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 tran
Conjugation	HIS
Tissue specificity	Expressed in lung fibroblasts.
Form	Lyophilised:Reconstitute with 83 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

LTNSEPLDLDFSQVLSSGSWPFQQSCTFALPSELEERSYQ RFTAFYASRHSGRKLT
 WLYQLSKGELVTNCFKNRYTLQ ASTFQMAILLQYNTEDAYTVQQLTDSTQIKMDILA
 QVL QILLKSKLLVLEDENANVDEVELKPDTLIKLYLGYKNKKLRVNINVPMKTEQKQE
 QETTHKNIEEDRKLLIQAAIVRI MKMRKVLKHQQLLGEVLTQLSSRFKPRVPVIKKCID
 IL IEKEYLERVDGEKDTYSYLA

Sequence Similarities

Belongs to the cullin family.

GENE INFORMATION

Gene Name CUL1 cullin 1 [Homo sapiens]

Official Symbol CUL1

Synonyms CUL1; cullin 1; cullin-1;

Gene ID 8454

mRNA Refseq NM_003592

Protein Refseq NP_003583

MIM 603134

Uniprot ID Q13616

Chromosome Location 7q36.1

Pathway

APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem;
 Adaptive Immune System, organism-specific biosystem; Antigen processing:

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Ubiquitination & Proteasome degradation, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem;

Function

protein binding; ubiquitin protein ligase binding;

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