

Recombinant Human CUL3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CUL3-3799H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CUL3 MS Standard C13 and N15-labeled recombinant protein (NP_003581) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the cullin protein family. The encoded protein plays a critical role in the polyubiquitination and subsequent degradation of specific protein substrates as the core component and scaffold protein of an E3 ubiquitin ligase complex. Complexes including the encoded protein may also play a role in late endosome maturation. Mutations in this gene are a cause of type 2E pseudohypoaldosteronism. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	88.9 kDa
AA Sequence	MSNLSKGTGSRKDTKMRIRAFPMTMDEKYVNSIWDLLKNAIQEIQRKNNSGLSFEEL YRNAYTMVLHKHGEKLYTGLREVVTEHLINKVREDVLNSLNNNFLQTLNQAWNDHQ TAMVMIRDILMYMDRVYVQQNNVENVYNLGLIIFRDQVVRYGCI RDHLRQTLLDMIAR ERKGEVVDRGAIRNACQMLMILGLEGRSVYEEDFEAPFLEMSAEFFQMESQKFLAE NSASVYIKKVEARINEEIERVMHCLDKSTEEPIVKVVERELISKHMKTIVEMENSGLVH MLKNGKTEDLGCMYKLFSRVPNGLKTMCECMSSYLREQGKALVSEE GEGKNPVDY

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IQGLLDLKSRFDRFLLESFNNDRLFQKQTIAGDFEYFLNLNSRSPEYLSLFIDDKLKKGV
 KGLTEQEVETILDKAMVLFQFMQEKDVFERYYKQHLARRLLTNKSVSDDSEKNMISK
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 DGSEVGVGGAQVTGSNTRKHILQVSTFQMTILMLFNNREKYTFEEIQQETDIPEREL
 VRALQSLACGKPTQRVLTKEPKSKEIENGHIFTVNDQFTSKLHRVKIQTVAAKQGES
 DPERKETRQKVDDDRKHEIEAAIVRIMKSRKKMQHNVLVAEVTQQLKARFLPSPVVI
 KKRIEGLIEREYLARTPEDRKVYTYVATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	CUL3 cullin 3 [Homo sapiens (human)]
Official Symbol	CUL3
Synonyms	CUL3; cullin 3; cullin-3; CUL-3; PHA2E; FLJ25665;
Gene ID	8452
mRNA Refseq	NM_003590

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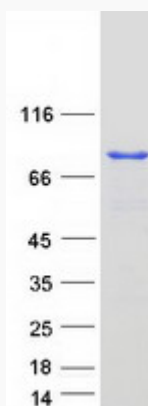
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Protein Refseq NP_003581

MIM 603136

UniProt ID Q13618

SDS-PAGE



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