

Recombinant Human CUL3 protein, MYC/DDK-tagged

Cat. No. CUL3-321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CUL3 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	88.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	CUL3 cullin 3 [Homo sapiens]
Official Symbol	CUL3
Synonyms	CUL3; cullin 3; cullin-3; CUL-3; PHA2E; FLJ25665;
Gene ID	8452
mRNA Refseq	NM_003590
Protein Refseq	NP_003581
MIM	603136
UniProt ID	Q13618
Chromosome Location	2q36.2
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Class I MHC mediated antigen processing &.
Function	cyclin binding; protein binding; ubiquitin protein ligase binding; contributes_to ubiquitin-protein ligase activity;

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