

Recombinant Full Length Human CUL2 Protein, C-Flag-tagged

Cat. No. CUL2-1685HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CUL2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables ubiquitin protein ligase binding activity. Predicted to be involved in SCF-dependent proteasomal ubiquitin-dependent protein catabolic process and protein ubiquitination. Predicted to act upstream of or within protein catabolic process. Located in nucleoplasm. Part of Cul2-RING ubiquitin ligase complex.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	86.8 kDa
AA Sequence	MSLKPRVVDDETWNKLLTTIKAVVMLEYVERATWNDRFSDIYALCVAYPEPLGERL YTETKIFLENHVR HLHKRVLESEEQVLVMYHRYWEEYSKGADYMDCLYRYLNTQFI KKNKLTEADLQYGYGGVDMNEPLMEIG ELALDMWRKLMVEPLQAILIRMLLREIKND RGGEDPNQKVIHGVINSFVHVEQYKKKFPLKFYQEIFESP FLTETGEYYKQEASNLL QESNCSQYMEKVLGRLKDEEIRCRKYLHPSSYTKVIEHCQQRMVADHLQFLHA EC HNIIRQEKKNDMANMYVLLRAVSTGLPHMIQELQNHIIHDEGLRATSNLTQENMPTLF VESVLEVHGKF VQLINTVLNGDQHFMSSALDKALTSVVNYREP KSVCKAPELLAKYC DNLLKKSAGMTENEVEDRLTSFIT VFKYIDDKDVFQKFYARMLAKRLIHGLSMSMD SEEAMINKLKQACGYEFTSKLHRMYTDMSSVSADLNNKF NNFINKQD TVIDLGISFQIY

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VLQAGAWPLTQAPSSTFAIPQELEKSVQMFELFYSQHFSGRKLTLWHLHC TGEVKM
 NYLGKPYVAMVTTYQMAVLLAFNNSETVSYKELQDSTQMNEKELTKTIKSLLDVKMI
 NHDSEKE DIDAESSFSLNMNFSSKRTKFKITTSMQKDTPQEMEQTSAVDEDRKMY
 LQAAIVRIMKARKVLRHNALI
 QEVISQSRARFNPSISMIKKCIEVLIDKQYIERSQASADEYSYVATRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis
Full Length	Full L.

GENE INFORMATION

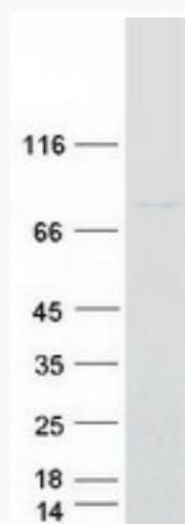
Gene Name	CUL2 cullin 2 [Homo sapiens (human)]
Official Symbol	CUL2

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Synonyms	MGC131970
Gene ID	8453
mRNA Refseq	NM_003591.4
Protein Refseq	NP_003582.2
MIM	603135
UniProt ID	Q13617



Coomassie blue staining of purified CUL2 protein.