

Product datasheet for TP510430

Cul2 (BC026779) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cullin 2 (cDNA clone MGC:25783 IMAGE:4018298), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210430 protein sequence Red=Cloning site Green=Tags(s)

MSLKPRVDFDETWNKLLTTIKAVVMLEYVERATWNDRFSDIYALCVAYPEPLGERLYAETKIFLESHVR
HLYKRVLESEEQVLVMYHRYWEEYSKGADYMDCLYRYLNTQYIKKNKLTEADIQYGGVDMNEPLMEIG
ELALDMWRKLMVEPLQNILIRMLLREIKNDRGGEDPNQKVIHGVINSFVHVEYQKKKFKPLKFYQGIFVSP
FLTETGEYKQEASNLLQESNCSQYMEKVLGRLKDEEIRCRKYLHPSSYTKVIHECQQRMVADHLQLFHS
ECHSIIQQRKNDMANMYVLLRAVSSGLPHMIEELQKHIHDEGLRATSNLTQEHMPTLFVESVLEVHGKF
VQLINTVLNGDQHFMSALDKALTSVVNYREPKSVCKAPPELLAKYCDNLLKKSAGKMTENEVEDKLTFSIT
VFKYIDDKDVFQKFYARMLAKRLIHGLSMSMDSEEAMINKLKQACGYEFTSKLHRMYTDMSVSADLNNKF
NNFIRNQDTVIDLGISFQIYVLQAGAWPLTQAPSSTFAIQELESVQMFELFYSQHFSGRKLTWLHYLC
TGEVKMNYLGKPYVAMVTTYQMAVLLAFNNSVSYKELQDSTQMNEKELTKTIKSLLDVKMINHDSEKE
DIDAESSFLNMSFSSKRTKFKITTSMQKDTPQELEQTRSAVDEDRKMYLQAAIVRIMKARKVLRHNALI
QEVISQSRARFNPSISMIKKCIEVLIDKQYIERSQASADEYSYVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	86.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	71745
UniProt ID:	Q9D4H8
RefSeq Size:	2765
Cytogenetics:	18 A1
RefSeq ORF:	2235
Synonyms:	1300003D18Rik; 4932411N15Rik; AI327301; mKIAA4106
Summary:	Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. ECS complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins (By similarity). May serve as a rigid scaffold in the complex and may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1 (By similarity). The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF) (By similarity).[UniProtKB/Swiss-Prot Function]