

Product datasheet for **TP303427M**

DCUN1D1 (NM_020640) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DCN1, defective in cullin neddylation 1, domain containing 1 (<i>S. cerevisiae</i>) (DCUN1D1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203427 protein sequence Red =Cloning site Green =Tags(s)
	 MNKLGSSQKDKVRQFMIFTQSSEKTAVSCLSQNDWKLDVATDNFFQNPELYIRESVKGSLDRKKLEQLYN RYKDPQDENKIGIDGIQQFCDDLALDPASISVLIIAWKFRAATQCEFSKQEFMDGMTELGCDSEKLAQ IPKMEQELKEPGRFKDFYQFTFNFAKNPGQKGLDLEMAIAYWNLVNLNGRFKFLDLWNKFLLEHHKRSIPK DTWNLLDFSTMIADDMSNYDEEGAWPVLIDDFVEFARPQIAGTKSTTV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	29.9 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_065691</u>
Locus ID:	54165



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UniProt ID: [Q96GG9](#), [B4DM76](#)

RefSeq Size: 3192

Cytogenetics: 3q26.33

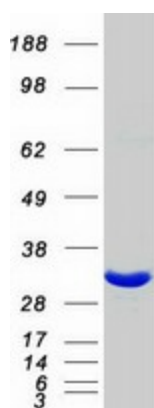
RefSeq ORF: 777

Synonyms: DCNL1; DCUN1L1; RP42; SCCRO; SCRO; Tes3

Summary: Part of an E3 ubiquitin ligase complex for neddylation. Promotes neddylation of cullin components of E3 cullin-RING ubiquitin ligase complexes. Acts by binding to cullin-RBX1 complexes in the cytoplasm and promoting their nuclear translocation, enhancing recruitment of E2-NEDD8 (UBE2M-NEDD8) thioester to the complex, and optimizing the orientation of proteins in the complex to allow efficient transfer of NEDD8 from the E2 to the cullin substrates. Involved in the release of inhibitory effects of CAND1 on cullin-RING ligase E3 complex assembly and activity (PubMed:25349211, PubMed:28581483). Acts also as an oncogene facilitating malignant transformation and carcinogenic progression (By similarity). [UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified DCUN1D1 protein (Cat# [TP303427]). The protein was produced from HEK293T cells transfected with DCUN1D1 cDNA clone (Cat# [RC203427]) using MegaTran 2.0 (Cat# [TT210002]).