

Product datasheet for PH303427

DCUN1D1 (NM_020640) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DCUN1D1 MS Standard C13 and N15-labeled recombinant protein (NP_065691)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203427
Predicted MW:	30.1 kDa
Protein Sequence:	>RC203427 protein sequence Red =Cloning site Green =Tags(s) MNLKSSQKDKVRQFMIFTQSSEKTAVSCLSQNDWKLDVATDNFFQNPELYIRESVKGSLDRKKLEQLYN RYKDPQDENKIGIDGIQQFCDDLALDPASISVLIIAWKFRAATQCEFSKQEFMDGMTLGCDSIEKLKAQ IPKMEQELKEPGRFKDFYQFTFNFAKNPGQKGLDLEMAIAYWNLVNGRFKFLDLWNKFLLEHHKRSIPK DTWNLLLDFSTMIADMSNYDEEGAWPVLIDDFVEFARPQIAGTKSTTV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065691
RefSeq Size:	3192
RefSeq ORF:	777
Synonyms:	DCNL1; DCUN1L1; RP42; SCCRO; SCRO; Tes3
Locus ID:	54165
UniProt ID:	Q96GG9 , B4DM76



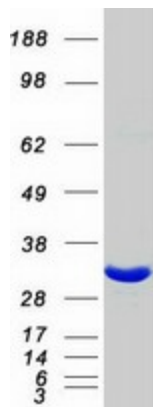
[View online »](#)

Cytogenetics: 3q26.33

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]).