

Product datasheet for **TP720243M**

DCUN1D1 (NM_020640) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human DCN1, defective in cullin neddylation 1, domain containing 1 (<i>S. cerevisiae</i>) (DCUN1D1) |
| Species: | Human |
| Expression Host: | <i>E. coli</i> |
| Expression cDNA Clone or AA Sequence: | Met1-Val259 |
| Tag: | N-His |
| Predicted MW: | 32.3 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | < 0.1 EU per µg protein as determined by LAL test |
| Reconstitution Method: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_065691 |
| Locus ID: | 54165 |
| UniProt ID: | Q96GG9 , B4DM76 |
| Cytogenetics: | 3q26.33 |
| Synonyms: | DCNL1; DCUN1L1; RP42; SCCRO; SCRO; Tes3 |



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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: