



# Recombinant Protein Technical Manual

## Recombinant Human DCUN1D1 Protein (His Tag)

RPES2123

### Product Data:

**Product SKU:** RPES2123

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q96GG9

### Protein Information:

**Molecular Mass:** 32.3 kDa

**AP Molecular Mass:** 32 kDa

**Tag:** N-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** DCN1-Like Protein 1; DCUN1 Domain-Containing Protein 1; Defective in Cullin Neddylaton Protein 1-Like Protein 1; Squamous Cell Carcinoma-Related Oncogene; DCUN1D1; DCUN1L1; RP42; SCCRO

## Immunogen Information:

**Sequence:** Met 1-Val259

## Background:

DCN1-Like Protein 1 is a protein containing 1 DCUN1 domain and 1 UBA-like domain. DCN1-Like Protein 1 contains part of an E3 Ubiquitin Ligase Complex for Neddylation. It is required for Neddylation of Cullin components of E3 Cullin-RING Ubiquitin Ligase complexes. It enhances the rate of Cullins Neddylation. DCN1-Like Protein 1 recruits the NEDD8-charged E2 Enzyme to the Cullin component. DCUN1D1 is involved in the release of inhibitory effects of CAND1 on the Cullin-RING Ligase E3 complex assembly and activity. It acts also as an oncogene facilitating malignant transformation and carcinogenic progression.