



# Recombinant Protein Technical Manual

## Recombinant Human DCBLD2/ESDN Protein (aa 1-482, His Tag)

RPES4543

### Product Data:

**Product SKU:** RPES4543

**Size:** 50µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_563615.3

### Protein Information:

**Molecular Mass:** 52.6 kDa

**AP Molecular Mass:** 69-89 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95 % 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 sterile PBS, pH 7.4

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

**Application:**

**Synonyms:** Discoidin; CUB and LCCL domain-containing protein 2;DCBLD2;CUB; LCCL and coagulation factor V/VIII-homology domains protein 1;Endothelial and smooth muscle cell-derived neuropilin-like protein;DCBLD2;CLCP1; ESDN

## Immunogen Information:

**Sequence:** Met 1-Ala482

## Background:

DCBLD2, also known as ESDN and CLCP1, localizes in various compartments. DCBLD2 is up-regulated in lung cancers and is regulated by transcription factor AP-2 alpha (TFAP2A), a component of activator protein-2 (AP-2) that is known to regulate IL-8 production in human lung fibroblasts and epithelial cells. DCBLD2 could be related to FEV(1)-related phenotypes in asthmatics. DCBLD2 gene is expressed at very high level. DCBLD2 is proposed to participate in processes such as intracellular receptor mediated signaling pathway, negative regulation of cell growth and so on.