

## DCBLD2 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P70095
<b>Synonyms:</b>	rHuDiscoidin, CUB and LCCL domain-containing protein 2/ DCBLD2, His; 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;
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	Q96PD2 (Q67-A528)
<b>Gene ID:</b>	131566
<b>Molecular Weight:</b>	80-110 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> QQGDGCGHTV   LGPESGTLTS   INYPQTYPNS   TVCEWEIRVK MGERVRIKFG   DFDIEDSDSC   HFNYLRIYNG   IGVS RTEIGK YCGLGLQMNH   SIESKGNEIT   LLFMSGIHVS   GRGFLASYSV IDKQDLITCL   DTASNFLPEPE FSKYCPAGCL   LPFAEISGTI PHGYRDS S PL   CMAGVHAGVV   SNTLGGQISV   VISKGIPYYE SSLANNVTSV   VGHLSTSLFT   FKTSGCYGTL   GMESGVIADP QITASSVLEW   TDHTGQENSW   KPKKARLKKP   GPPWAAFATD EYQWLQIDLN   KEKKITGIIT   TGSTMVEHNY   YVSAYRILYS DDGQKWTVYR   EPGVEQDKIF   QGNKDYHQDV   RNNFLPPIIA RFIRVNPTQW   QQKIAMKMEL   LGCQFIPKGR   PPKLTQPPPP RNSNDLKNTT   APPKIAKGRA   PKFTQPLQPR   SSNEFPAQTE QTTASPDIRN   TTVTPNVTKD   VA           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

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**Background**

DCBLD2 encodes discoid, CUB, and LCCL domain protein 2, also known as endothelial and smooth muscle cell-derived neuropilin-like protein (ESDN) and/or Charcot-Leyden crystalloprotein pseudogene 1 (CLCP1). The DCBLD2 gene is a type I transmembrane receptor that has structural similarities to neuropilin-like transmembrane scaffold receptors, such as vascular endothelial growth factor (VEGF) receptors and signaling proteins, and has multiple functions in developmental processes as well as in vascular and tumor biology. DCBLD2 is a novel platelet membrane receptor that plays a key role in vascular remodeling, influencing vascular smooth muscle cell (VSMC) proliferation, cell movement and metastasis in some cancers, and neuronal localization. DCBLD2 recruits TRAF6 through EGFR phosphorylation and stimulates AKT to promote tumorigenesis<sup>[1][2][3][4][5]</sup>.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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