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Datasheet for ABIN1589742 **PDCD10 Protein (His tag)**

Overview

Quantity:	20 µg
Target:	PDCD10
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDCD10 protein is labelled with His tag.

Product Details

Purpose:	CCM-3
Sequence:	MGSSHHHHHH SSSLVPRGSM RMTMEEMKNE AETTSMVSMPL YAVMYPVFN ELERVNLSAA QTLRAAFIKA EKENPGLTQD IIMKILEKKS VEVNFTESLL RMAADDVEEY MIERPEPEFQ DLNEKARALK QILSKIPDEI NDRVRFLQTI KDIASAIKEL LDTVNNVFKK YQYQNRRALE HQQKEFVKYS KSFSDTLKTY FKDGKAINVF VSANRLIHQT NLILQTFKTV A
Specificity:	Chromosomal location:3q26.1
Characteristics:	Length (aa):231
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	PDCD10
Alternative Name:	CCM-3 (PDCD10 Products)
Background:	Cerebral cavernous malformations (CCMs) are sporadically acquired or inherited vascular

Target Details

lesions of the central nervous system consisting of clusters of dilated thin-walled blood vessels that predispose individuals to seizures and stroke. Mutations in CCM1, CCM2, or CCM3 lead to cerebral cavernous malformations, one of the most common hereditary vascular diseases of the brain. Endothelial cells within these lesions are the main disease compartments. Here, we show that adenoviral CCM3 expression inhibits endothelial cell migration, proliferation, and tube formation while down regulation of endogenous CCM3 results in increased formation of tube-like structures. Adenoviral CCM3 expression does not induce apoptosis under normal endothelial cell culture conditions but protects endothelial cells from staurosporine-induced cell death. Tyrosine kinase activity profiling suggests that CCM3 supports PDPK-1/Akt-mediated endothelial cell quiescence and survival (Schleider et al, Neurogenetics 12, 2011). The CCM-3 is fused to a N-terminal His-tag (6x His).

Synonyms: PDCD10, CCM3, TFAR15, programmed cell death 10

Molecular Weight: 26.7 kDa

Gene ID: 11235

NCBI Accession: [NM_007217](#), [NP_009148](#)

UniProt: [Q9BUL8](#)

Application Details

Comment: Cytokines & Growth Factors

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: The lyophilized CCM3 is soluble in water and most aqueous buffers and should be reconstituted in water or PBS.

Buffer: PBS

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized samples are stable for greater than six months at -20°C to -70°C. Reconstituted CCM-3 should be stored in working aliquots at -20°C.

Expiry Date: 6 months