

Recombinant Human CALD1 Protein, MYC/DDK-tagged

Cat. No. CALD1-2290H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CALD1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
Species	Human
Source	HEK293
Description	This gene encodes a calmodulin- and actin-binding protein that plays an essential role in the regulation of smooth muscle and nonmuscle contraction. The conserved domain of this protein possesses the binding activities to Ca(2+)-calmodulin, actin, tropomyosin, myosin, and phospholipids. This protein is a potent inhibitor of the actin-tropomyosin activated myosin MgATPase, and serves as a mediating factor for Ca(2+)-dependent inhibition of smooth muscle contraction. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	65.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	CALD1 caldesmon 1 [Homo sapiens]
Official Symbol	CALD1
Synonyms	CDM; H-CAD; HCAD; L-CAD; LCAD; NAG22
Gene ID	800
mRNA Refseq	NM_033138
Protein Refseq	NP_149129
MIM	114213
UniProt ID	Q05682

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