

Recombinant Human CCM2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CCM2-3975H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CCM2 MS Standard C13 and N15-labeled recombinant protein (NP_113631) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a scaffold protein that functions in the stress-activated p38 Mitogen-activated protein kinase (MAPK) signaling cascade. The protein interacts with SMAD specific E3 ubiquitin protein ligase 1 (also known as SMURF1) via a phosphotyrosine binding domain to promote RhoA degradation. The protein is required for normal cytoskeletal structure, cell-cell interactions, and lumen formation in endothelial cells. Mutations in this gene result in cerebral cavernous malformations. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	48.8 kDa
AA Sequence	MEEEGKKGKKPGIVSPFKRVFLKGEKSRDKKAHEKVTERRP LHTVVLSPERVEPD RLLSDYIEKEVKYLGQLTSIPGYLNPSSRTEILHFIDNAKRAHQ LPGHLTQEHDVLSL SAYNVKLAWRDGEDILRVPIHDIAAVSYVRDDAAHLVVLKTAQDPGISPSQSLCAES SRGLSAGSLSES AVGPVEACCLVILAAESKVA AEELCCLLGQVFQVVYTESTIDFLDR AIFDGASTPTHHL SLHSDDSTKVDIKETYEVEASTFCFPESVDVGGASPHSKTISES ELSASATELLQDYMLTLRTKLSSQEIQQFAALLHEYRNGASIHEFCINLRQLYGDSRK

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FLLGLRPFPIPEKDSQHFENFLETIGVKDGRGIITDSFGRHRRALSTTSSSTTNGNRAT
GSSDDRSAPSEGDEWDRMISDISSDIEALGCSMDQDSATRTRPLEQKLISEEDLAAN
DILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CCM2 cerebral cavernous malformation 2 [Homo sapiens (human)]

Official Symbol CCM2

Synonyms CCM2; cerebral cavernous malformation 2; MGC4067;

Gene ID 83605

mRNA Refseq NM_031443

Protein Refseq NP_113631

MIM 607929

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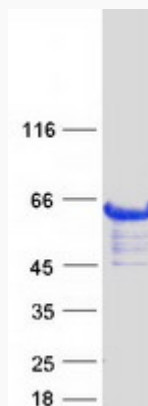
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UniProt ID

Q9BSQ5

SDS-PAGE

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