

Recombinant Full Length Human CCM2 Protein, GST-tagged

Cat. No. CCM2-2956HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCM2 full-length ORF (NP_113631.1, 1 a.a. - 444 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	444 amino acids
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.[provided by RefSeq, Nov 2009]
Molecular Mass	75.2 kDa
AA Sequence	MEEEGKKGKKPGIVSPFKRVFLKGEKSRDKKAHEKVTERPLHTVVLSPERVEPD RLLSDYIEKEVKYLGQLTSIPGYLNPSSRTEILHFIDNAKRAHQLPGHILTQEHDVLSL SAYNVKLAWRDGEDIIILRVPIHDIAAVSYVRDDAAHLVVLKTAQDPGISPSQSLCAES SRGLSAGSLSESAVGPEACCLVILAAESKVAEEELCCLLGQVFQVVYTESTIDFLDR AIFDGASTPTHLSLHSDDSSTKVDIKETYEVEASTFCFPESVDVGGASPHSKTISES

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ELSASATELLQDYMLTLRTKLSSQEIQQFAALLHEYRNGASIHEFCINLRQLYGDSRK
 FLLLGLRPFPIPEKDSQHFENFLETIGVKDGRGIITDSFGRHRRALSTTSSSTTNGNRAT
 GSSDDRSAPSEGDEWDRMISDISSDIEALGCSMDQDSA

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CCM2 cerebral cavernous malformation 2 [Homo sapiens]

Official Symbol

CCM2

Synonyms

CCM2; cerebral cavernous malformation 2; MGC4067;

Gene ID

83605

mRNA Refseq

NM_031443

Protein Refseq

NP_113631

MIM

607929

UniProt ID

Q9BSQ5

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