

Product datasheet for PH301418

CCM2 (NM_031443) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCM2 MS Standard C13 and N15-labeled recombinant protein (NP_113631)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201418
Predicted MW:	48.8 kDa
Protein Sequence:	>RC201418 protein sequence Red=Cloning site Green=Tags(s)

MEEEGKKGKPGIVSPFKRVFLKGEKSRDKKAHEKVTERRPLHTVVLSPERVEPDRLLSDYIEKEVKYL
GQLTSIPGYLNPSSRTEILHFIDNAKRAHQLPGHLTQEHDVLSL SAYNVKLAWRDGEDIIILRVPIDHIA
AVSYVRDDAAHLVVLKTAQDPGISPSQSLCAESSRGLSAGSLSES AVGPVEACCLVILAAESKVAEEELC
CLLGQVFQVYTESTIDFLDRAIFDGASTPTHLSLHSDSSTKVDIKETYEVEASTFCFPESVDVGGAS
PHSKTISESELSASATELLQDYMLTLRTKLSSQEIQQFAALLHEYRNGASIEHFCINLRQLYGD SRKFL
LGLRPF IPEKDSQHFENFLETIGVKDGRGIITDSFGRHRRALSTTSSTTNGNRATGSSDDRSAPSEGDE
WDRMISDISSDIEALGCSMDQDSA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_113631</u>
RefSeq Size:	1904
RefSeq ORF:	1332
Synonyms:	C7orf22; OSM; PP10187



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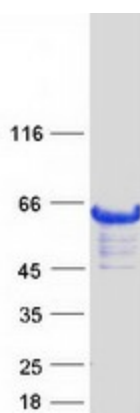
Locus ID: 83605

UniProt ID: [Q9BSQ5](#)

Cytogenetics: 7p13

Summary: 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]

Product images:



Coomassie blue staining of purified CCM2 protein (Cat# [TP301418]). The protein was produced from HEK293T cells transfected with CCM2 cDNA clone (Cat# [RC201418]) using MegaTran 2.0 (Cat# [TT210002]).