9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CCM2 Human

Cerebral Cavernous Malformation 2 Human Recombinant
RCP0355

Product Overview

Name	CCM2 Human
Description	
Cerebral Cavernous Malformation 2 Human Recombinant	
Accession (Primary)	Q9BSQ5
Synonyms	
Cerebral Cavernous Malformation 2, C7orf22, malcavernin, Cerebral Cavernous Malformations 2 Protein, Chromosome 7 Open Reading Frame 22, OSM, MGC4067.	
Introduction	
Cerebral Cavernous Malformation 2, also known as CCM2 is a piece of the CCM signaling pathway which is a vital regulator of heart and vessel formation as well as integrity. CCM2 performs through the stabilization of endothelial cell junctions. In addition, CCM2 functions as a scaffold protein for MAP2K3-MAP3K3 signaling. CCM2 plays a key role in the modulation of MAP3K3-dependent p38 activation induced by hyperosmotic shock. Mutations in CCM2 result in cerebral cavernous malformations. Multiple transcript variants encoding dissimilar isoforms have been discovered for CCM2.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
CCM2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS EVKYLGQ LTSIPGYLNP SSRTEILHFI DNAKRAHQLP GHLTQEHDAV LSLSAYNVKL AWRDGEDIIL RVPIHDIAAV SYVRDDAAHL VVLKTDDSST KVDIKETYEV EASTFCFPES	

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VDVGGASPHS KTISESELSA SATELLQDYM LTLRTKLSSQ EIQQFAALLH EYRNGASIHE FCINLRQLYG DSRKFLLLGL RPFIPEKDSQ HFENFLETIG VKDGRGIITD SFGRHRRALS TTSSSTTNGN RATGSSDDRS APSEGDEWDR MISDISSDIE ALGCSMDQDS A

Precautions

CCM2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BSQ5)