32-3429: CCM2 Recombinant Protein

Alternative Name : Cerebral Cavernous Malformation 2,C7orf22,malcavernin,Cerebral Cavernous Malformations 2 Protein,Chromosome 7 Open Reading Frame 22,OSM,MGC4067.

Description

Source : Escherichia Coli. CCM2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 311 amino acids (66-353 a.a) and having a molecular mass of 34.3kDa.CCM2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	"Greater than 90.0% as determined by SDS-PAGE."
Content :	CCM2 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSEVKYLGQ LTSIPGYLNP SSRTEILHFI DNAKRAHQLP GHLTQEHDAVLSLSAYNVKL AWRDGEDIIL RVPIHDIAAV SYVRDDAAHL VVLKTDDSST KVDIKETYEV EASTFCFPESVDVGGASPHS KTISESELSA SATELLQDYM LTLRTKLSSQ EIQQFAALLH EYRNGASIHE FCINLRQLYG DSRKFLLLGL RPFIPEKDSQHFENFLETIG VKDGRGIITD SFGRHRRALS TTSSSTTNGN RATGSSDDRS APSEGDEWDR MISDISSDIEALGCSMDQDS A