

CCM2, 66-353aa, Human, His tag, E.coli

Cat.NO.: TP01469

3th Edition

Synonyms:Malcavernin isoform 4, Malcavernin isoform 4

Description:CCM2 provides instructions for making a protein called malcavernin, which strengthens the interactions between cells that form blood vessels and limits leakage from the vessels. It interacts with a number of other proteins to form a complex that is found in the junctions that connect neighboring cells. It helps turn off (suppress) a signaling molecule known as RhoA-GTPase. Recombinant human CCM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:34.3kDa (311aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSEVKYLGQLTSIPGYLNPSSRTEILHFIDNAKRAHQLPGHLTQEHDVLSLSAY
NVKLAWRDGEDILRVPIHDIAAVSYVRDDAAHLVVLKTDDSSSTKVDIKETYVEASTFCFPESVDVGGASPHSKTIS
EELSASATELLQDYMLTLRTLKSSQEIQQFAALLHEYRNGASIHEFCINLRQLYGDSRKFLLLGLRPFPIPEKDSQHF
ENFLETIGVKDGRGIITDSFGRHRRALSTTSSSTTNGNRATGSSDDRSAPSEGDEWDRMISDISSDIEALGCSMDQD
SA

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.