

AR51316PU-N

Human Malcavernin (66-353, His-tag) - Purified

Alternate names:

C7orf22, CCM2, Cerebral cavernous malformations 2 protein, PP10187

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9BSQ5](#)

NCBI:

[NP_001161407](#)

GeneID:

[83605](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT

Description:

Recombinant human CCM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSEVKYLQG LTSIPGYLNP SSRTEILHFI DNAKRAHQLP
GHLTQEHDV LSLAYNVKL AWRDGEDIL RVPIHDIAAV SYVRDDAAHL VVLKTDSSST
KVDIKETYEY EASTFCFPES VDVGGASPHS KTISESELSA SATELLQDYM LTLRKLSSQ
EIQQFAALLH EYRNGASIHE FCINLRQLYG DSRKFLLLGL RPFIEPKDSQ HFENFLETIG
VKDGRGIITD SFGRHRRALS TTSSSTTNGN RATGSSDDRS APSEGDEWDR MISDISSDIE
ALGCSMDQDS A

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

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Dupre N. et al. (2003) Can J Neurol Sci. 30:122-128

Liquori CL. et al. (2007) Am J Hum Genet. 80:69-75.

Pictures:

