

## Product datasheet for **AR51316PU-N**

### Malcavernin (66-353, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Malcavernin (66-353, His-tag) human recombinant protein, 0.25 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSEVKYLGQ LTSIPGYLNP SSRTEILHFI DNAKRAHQLP GHLTQEHDVAV LLSAYNVKL AWRDGEDIIIL RVPIHDIAAV SYVRDDAAHL VVLKTDDSSST KVDIKETYEY EASTFCFPES VDVGGASPHS KTISESELSA SATELLQDYM LTLRTLKSSQ EIQQFAALLH EYRNGASIHE FCINLRQLYG DSRKFLLLGL RPFIEKDSQ HFENFLETIG VKDGRGIITD SFGRHRRALS TTSSTTNGN RATGSSDDRS APSEGDEWDR MISDISSDIE ALGCSMDQDS A
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	34.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>90% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human CCM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
<b>Storage:</b>	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.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001025006</a>
<b>Locus ID:</b>	83605
<b>UniProt ID:</b>	<a href="#">Q9BSQ5</a>
<b>Cytogenetics:</b>	7p13
<b>Synonyms:</b>	C7orf22; OSM; PP10187



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**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:**