

## Product datasheet for **AR26003PU-N**

### Malcavernin (His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Malcavernin (His-tag) human recombinant protein, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MEEEGKKGKK PGIVSPFKRV FLKGEKSRDK KAHEKVTER PLHTVLSLP ERVEPDRLLS DYIEKEVKYL GQLTSIPGYL NPSSRTEILH FIDNAKRAHQ LPGHLTQHDA VLSLSAYNVK LAWRDGEDII LRVPIHDIAA VSYVRDAAH LVVLKTAQDP GISPSQSLCA ESSRGLSAGS LSEAVGPVE ACCLVILAAE SKVAAEELCC LLGQVFQVYVY TESTIDFLDR AIFDASTPTH HLSLHSDSDS TKVDIKETYE VEASTFCFPE SVDVGGASPH SKTISESELS ASATELLQDY MLTLRKLSS QEIQQFAALL HEYRNGASIH EFCINLRQLY GDSRKFLLLG LRPFIPEKDS QFENFLETIG VKDGRGIITD SFGRHRRALS TTSSSTTNGN RATGSSDDRS APSEGDEWDR MISDISSDIE ALGCSMDQDS A
<b>Tag:</b>	His-tag
<b>Purity:</b>	>95% by SDS-PAGE and silver stain
<b>Buffer:</b>	Presentation State: Purified State: Lyophilized protein Buffer System: PBS
<b>Endotoxin:</b>	< 0.1 ng/µg of CCM-2
<b>Reconstitution Method:</b>	The lyophilized protein is soluble in water and most aqueous buffers and should be reconstituted in PBS or medium containing at least 0.1% human or bovine serum albumin to a concentration not lower than 50 µg/ml.
<b>Preparation:</b>	Lyophilized protein
<b>Protein Description:</b>	Human recombinant Malcavernin (fragment), aa sequence: 464
<b>Note:</b>	Protein RefSeq: NM_001029835.2 mRNA RefSeq: NM_001029835.2
<b>Storage:</b>	Lyophilized samples are stable for six months at -20°C to -70°C. Reconstituted protein should be stored in working aliquots at -20°C. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001025006</a>



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Locus ID: 83605

UniProt ID: [Q9BSQ5](#)

Cytogenetics: 7p13

Synonyms: C7orf22; OSM; PP10187

**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]