

Product datasheet for **AR50682PU-S**

Calmodulin-like protein 3 (1-149, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Calmodulin-like protein 3 (1-149, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMADQLT EEQVTEFKEA FSLFDKDG DG CITTRELGTV MRLSGQNPT E AELRDM MSEI DRDGN GTVDF PEFLGMMARK MKDTDNEEEI REAFRVFDKD GNGFVSA AEL RHMVTRLG EK LSDEEVD EMI RAADTDGDGQ VNYEEFVRVL VSK
Tag:	His-tag
Predicted MW:	19 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CALML3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_005176
Locus ID:	810
UniProt ID:	P27482
Cytogenetics:	10p15.1
Synonyms:	CLP



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Summary: May function as a specific light chain of unconventional myosin-10 (MYO10), also enhances MYO10 translation, possibly by acting as a chaperone for the emerging MYO10 heavy chain protein. May compete with calmodulin by binding, with different affinities, to cellular substrates.[UniProtKB/Swiss-Prot Function]

Protein Pathways: Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction

Product images:

