

## Product datasheet for AR50682PU-S

#### OriGene Technologies, Inc.

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### 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 FSLFDKDGDG CITTRELGTV MRSLGQNPTE AELRDMMSEI DRDGNGTVDF PEFLGMMARK MKDTDNEEEI REAFRVFDKD

GNGFVSAAEL RHVMTRLGEK LSDEEVDEMI 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]

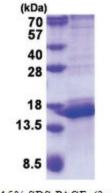
Protein Pathways: Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin

signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway,

Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular

smooth muscle contraction

# **Product images:**



15% SDS-PAGE (3ug)