

AR50682PU-S

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

Alternate names:

CALML3, CaM-like protein, Calmodulin-related protein NB-1

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

CALML3 belongs to the calmodulin family and contains 4 EF-hand domains. This protein may be similar to that of authentic calmodulin and may actually compete with calmodulin by binding, with different affinities, to cellular substrates. CALML3 is expressed in normal mammary, prostate, cervical, and epidermal tissues.

Uniprot ID:

[P27482](#)

NCBI:

[NP_005176](#)

GeneID:

[810](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.

Description:

Recombinant human CALML3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMDADQLT EEQVTEFKEA FSLFDKGDG CITTRELGT
MRSLGQNPTE AELRDMSEI DRDNGTVDF PEFLGMMARK MKDTDNEEEI REAFRVFDKD
GNFVSAEL RHVMTLGEK LSDEEVDEMI RAADTDGDGQ VNYEEFVRVL VSK

Molecular weight: 19 kDa (173aa), 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:

Rual JF, Venkatesan K, et al. (2005). Nature. 437(7062):1173-8. Bennett RD, Mauer AS, et al. (2007). J Biol Chem. 282(5):3205-12.

Pictures:

