Recombinant human CALML3 protein

Catalog Number: ATGP1858

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-149aa

UniProt No.
P27482

NCBI Accession No.
NP_005176

Alternative Names
Calmodulin-like protein 3, CLP

PRODUCT SPECIFICATION

Molecular Weight
19 kDa (173aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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Amino acid Sequence

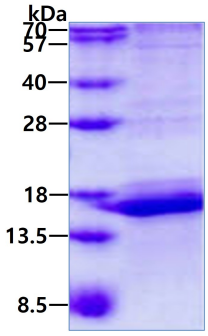
<MGSSHHHHHH SSGLVPRGSH MGSH>MADQLT EEQVTEFKEA FSLFDKDGDG CITTRELGTV MRSLGQNPTE AELRDMMSEI DRDGNGTVDF PEFLGMMARK MKDTDNEEEI REAFRVFDKD GNGFVSAAEL RHVMTRLGEK LSDEEVDEMI RAADTDGDGQ VNYEEFVRVL VSK

General References

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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.