

CALML3, 1-149aa, Human, His tag, E.coli

Cat.NO.: TP01405

3th Edition

Synonyms: Calmodulin-like protein 3, CLP

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.

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

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMADQLTEEQVTEFKEAFSLFDKDGDCITTRELGTVMRSLGQNPTEAELR
DMMSEIDRDGNGTVDFPEFLGMMARKMKDNDNEEEIREAFRVFDKDGNGFVSAELRHVMTRLGEKLSDEEVDE
MIRAADTDGDGQVNYEEFVRVLVSK

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.