

## CALML3 Human

**Description:** CALML3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 173 amino acids (1-149 a.a.) and having a molecular mass of 19kDa. CALML3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1330

For research use only.

**Synonyms:** Calmodulin-like protein 3, CaM-like protein, CLP, Calmodulin-related protein NB-1, CALML3.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMADQLT EEQVTEFKEA  
FSLFDKDG DG CITTRELGT V MRS LGQNPT E AELRDM MSEI DRDNGTVDF PEFLGMMARK  
MKD TDNEEEI REAFRVFDKD GNGFVSAAEL RHVMTRLGEK LSDEEVDEMI RAADTDGDGQ  
VNYEEFVRVL VSK.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

CALML3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Calmodulin Like 3 (CALML3) is a member of the calmodulin family and contains 4 EF-hand domains. The CALML3 protein may be similar to that of genuine calmodulin and may in fact compete with calmodulin by binding, with different affinities, to cellular substrates. CALML3 protein is expressed in normal mammary, prostate, cervical, and epidermal tissues.

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