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## Product Data Sheet

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Product Name: CALML3 Human  
 Cat. No.: GP22956  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Calmodulin-like protein 3; CaM-like protein; CLP; Calmodulin-related protein NB-1; CALML3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMADQLT EEQVTEFKEA FSLFDKDG DG CITTRELGTV MRSLGQNPT E AELRDM MSEI DRDGNGTVDF PEFLGMMARK MKDTDNEEEI REAFRVFDKD GNGFVSA AEL RHMVTRLG EK LSDEEVDEMI RAADTDGDGQ VNYEEFVRVL VSK.		
Formulation	CALML3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol.		

### 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.

### 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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