

## Product datasheet for **TP305791L**

### **CALML3 (NM\_005185) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human calmodulin-like 3 (CALML3), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC205791 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MADQLTEEQVTEFKEAFSLFDKDGDCITTRELGTVMRSLGQNPTEAELRDMMSSEIDRDGNGTVDFPEFL  
GMMARKMKDTDNEEEIREAFRVFDKDGNGFVSAEELRHVMTRLGEKLSDEEVDEMIRAADTDGGQVNYE  
EFVRVLVSK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

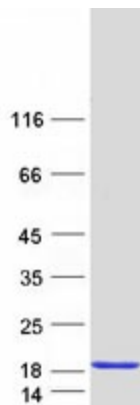
**Tag:** C-Myc/DDK  
**Predicted MW:** 16.7 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_005176](#)  
**Locus ID:** 810  
**UniProt ID:** [P27482](#)  
**RefSeq Size:** 1417



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Cytogenetics:	10p15.1
RefSeq ORF:	447
Synonyms:	CLP
Summary:	May function as a specific light chain of unconventional myosin-10 (MYO10), also enhances MYO10 translation, possibly by acting as a chaperone for the emerging MYO10 heavy chain protein. May compete with calmodulin by binding, with different affinities, to cellular substrates. [UniProtKB/Swiss-Prot Function]
Protein Pathways:	Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction

### Product images:



Coomassie blue staining of purified CALML3 protein (Cat# [TP305791]). The protein was produced from HEK293T cells transfected with CALML3 cDNA clone (Cat# [RC205791]) using MegaTran 2.0 (Cat# [TT210002]).