

## Product datasheet for **SC122701**

### **CALML3 (NM\_005185) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** CALML3 (NM\_005185) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CALML3  
**Synonyms:** CLP  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** None  
**Fully Sequenced ORF:** >OriGene sequence for NM\_005185 edited

```
CGGATCTCCACCTGCCACCCAGAGCTGGGACAGCAGCCGGGCTGCGGCACTGGGAGGGA  
GACCCACAGTGGCCTCTTCTGCCACCCACGCCCCACCCTGGCATGGCCGACCAGCTG  
ACTGAGGAGCAGGTCACAGAATCAAGGAGGCCTTCTCCCTGTTTGACAAGGATGGGGAC  
GGCTGCATCACCACCCGCGAGCTGGGCACGGTCATGCGGTCCCTGGGCCAGAACCCACG  
GAGGCCGAGCTGCGGGACATGATGAGTGAGATCGACCGGGACGGCAACGGCACCGTGGAC  
TTCCCGAGTTTCTGGGCATGATGGCCAGGAAGATGAAGGACACGGACAACGAGGAGGAG  
ATCCGCGAGGCCCTCCGCGTGTTCGACAAGGACGGCAACGGCTTCGTGAGCGCCGCGAG  
CTGCGACACGTGATGACCCGGCTGGGGGAGAAGCTGAGTGACGAGGAGGTGGACGAGATG  
ATCCGGGCGCGGACACGGACGGAGACGGACAGGTGAACACGAGGAGTTTGTCCGTGTG  
CTGGTGTCCAAGTGAGGCCGGCGCCACCATGCTCCTGGGCGCCACGGGCCACAGGG  
CAAGAACCCGGGGCTCCCGCTCCTCCCCATCCCCCTGCCTCCCCTGGGCACTGTGGC  
TTCTCCTGCGCCTGGTTGATTCAGCCACCTCTCTGCATCCCGCTTCCCGCGTCTCTTC  
TCTGCACTCCTGCCGACCTTCCCACCTGCTCATCTGAATGACACGGAACGCTCCCCTGC  
AGGCAAACCGTGACGCCCTCCCCACTCGGAGAGAAGCAGAGCTGACCTTAGGACCGAGCAC  
CAGGGCAGGTTGCGTGACTCTGCGGCCCTCCAGGACGGACACCGGGTACCCCTTAGGG  
CACCCAGGCAAGATCCCTAAGAGGCACCCAATGCCAGGCCAGGGGGGCTGCAGCCCTCA  
GCCCCCGCAGGATCCCGCAGGCTCCTGGACTGGAAGCTCCCTCCGCGTCTCGGATTCTG  
GAGGGTGGGAGGCATCTTGGCCTGCAGTAAGCGGTGCTGACGGGGACTCTGGCCACAGAG  
GTCAGGCCTCCTGAAAACAGCACTGCCTTCCGCGCTGCCCGAGCTTGGCCATTCTTGT  
CCGCCAACCCACCGTGATTATCTTCTGAAGCTGGGAGTGAACCTGGGTGAGCTGTAACC  
TGTTCTATTCTGGAAGGAGGGAGGCTTGGATGAGCAGGGGATGAGAGCTGCAGGGA  
AATAAATGAGATATTCGTCCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005185 unedited NAAGTTCATATATTTGTATACGACTCACTATAGGCGGCCGCGATTTCATATCTGGTACCGG TCCGGAATTCCTGGGATCGGATCTCCACCTGCCACCCAGATCTGGGACAGCAGCCGGGC TGGGCACTGGGAGGAGACCCACAGTGGCCTTTCTGCCACCCAGCCCCACCCCTG GCATGGCCGACCAGCTGACTGAGGAGCAGGTCACAGAATCAAGGAGGCCTTCTCCCTGT TTGACAAGGATGGGACGGCTGCATCACCACCCGCGAGCTGGGCACGGTCATGCGGTCCC TGGGCCAGAACCCACGGAGGCCGAGCTGCGGGACATGATGAGTGAGATCGACCCGGGACG GCAACGGCACCGTGGACTTCCCCGAGTTCTGGGCATGATGGCCAGGAAGATGAAGGACA CGGACAACGAGGAGAGATCCGCGAGGCCTTCCGCGTGTTCGACAAGGACGGCAACGGCT TCGTCAGCGCCGCGAGCTGCGACACGTCATGACCCGGCTGGGGGAGAAGCTGAGTGACG AGGAGGTGGACGAGATGATCCGGGCCGCGGACCGGACGGAGACGGACAGGTGAACTACG AGGAGTTTGTCCGTGTGCTGGTGTCCAAGTGAGGCCGGCGCCACCATGCTCCTGGGCGC CCACGGCGCCACATGGCAAGAACCCCGGGCTCCCGCCTCTCCCCATTCCCCTGCT CCCCTGGGCACTGTGGCTTCTCCTGCGCCTGGTTGATTCAGCCACCTCTCTGCATCCC GCTCCCCGCGTCTTTCTCTGCACTCCTGGCCACTTCCACCTGGTCATCTGAATGACAA CGGACGCTCCACCTGCAGCAACCCGTGACCCCTCCCACTCGGGAAAAGCAAAACCTGA CCTAGGACCGATCCCCAGGGCAGGTTGGCTGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005185
<b>Insert Size:</b>	1316 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>RefSeq:</b>	<a href="#">NM_005185.1</a> , <a href="#">NP_005176.1</a>
<b>RefSeq Size:</b>	450 bp
<b>RefSeq ORF:</b>	450 bp
<b>Locus ID:</b>	810
<b>UniProt ID:</b>	<a href="#">P27482</a>
<b>Protein Pathways:</b>	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
<b>Gene Summary:</b>	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]