

Product datasheet for **RN208868**

Calml3 (NM_001012054) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calml3 (NM_001012054) Rat Untagged Clone
Tag: Tag Free
Symbol: Calml3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208868 representing NM_001012054
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACCAGCTGACTGAGGAGCAAATCGCCGAGTTCAAGGAGGCTTCTCTCTGTTTGACAAGGATG
GGATGGCTGCATCACCACCAAGAAGTGGCACTGTCATGAGGTCCTGGGTGAGAAGGACAGAGGC
TGAGCTCCAAGACATGGTGAACGAAATCGACAAGGATGGAAACGGCACCGTGGACTCCCGAGTTCCTG
ACCATGATGTCCAGGAAGATGAAAGACACCGACAGCGAGGAGGATCCGGGAGGCTTCCGGGTGTTG
ACAAGGACGGCAACGGCTTCGTCAGCGAGCTGAGCTGAGGCACGTGATGACCAGGCTTGGGAGAGCT
GAGCGACGAGGAGGTAGATGAAATGATACAGCGCGGATACAGACGGCACGGGCAAGTGAAGTATGAG
GAATTTGTTACATGCTAGTGTCCAAGTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001012054
Insert Size: 450 bp
OTI Disclaimer: 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).
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001012054.1](#), [NP_001012054.1](#)

RefSeq Size: 1405 bp

RefSeq ORF: 450 bp

Locus ID: 307100

UniProt ID: [Q5U206](#)

Cytogenetics: 17q12.2

Gene 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 (By similarity).[UniProtKB/Swiss-Prot Function]