

Product datasheet for **RN209508**

Cald1 (NM_013146) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cald1 (NM_013146) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cald1
Synonyms:	I-Cad
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209508 representing NM_013146
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTTAGCAGATCCGGGTCCCAGGGAAGCGCTGCCTGGCCACACTCTCTCAAATTCGCTATCAGAGGA
 ATGATGATGACGAAGAAGAGGCTGCCAGGGAACGGCGCCGCCAGCCGACAGGAAAGGCTGCGGCAGAA
 GCAAGAGGAAGAATCCTTGGGACAGGTGACAGACCAAGTGGAGGCCATGTCCAGAACAGTGCCCCCGAT
 GAAGAGTCTAAGCCAGCCACTGCAAATGCTCAGGTAGAAGGTGATGAGGAGGCTGCTTTGCTGGAGCGCC
 TGGCCAGGCGAGAAGAGAGAGCTCAAAAACGCCTTCAGGAAGCCTTAGAGCGTCAGAAGGAGTTTATCC
 AACATAACCGATGGCAGTCTCTCAGTCCCAAGCAGAAGGATGCAAAAATAACTCGGCTGAAAATGAGACA
 GCAGAGGGGAAGAAAAAGGAGAGAGTCGCTCAGGACGGTATGAGATGGAAGAAACAGAAGTGGTCATCA
 CGTCCTACCAGAAGAACAGCTATCAGGATGCTGAAGACAAAAAGAAAGAAAAAGGAGGAGGAGGAGGA
 GGAAGAGAAGCTGAAGGGAGGGAACCTTGGCGAAAATCAGATCAAAGATGAGAAGATTAAGGACAAA
 GAGCCCAAAGAAGAAGTCAAGAACTTCTTGATCGAAAGAAAGGATTTACAGAAGTGAAGGCGCAGAATG
 GAGAATTCATGACCCACAACTTAACAACTGAGAATGCTTTCAGCCCCAGCCGTTTCAGGAGGCCGGGC
 CAGCGGGGACAAGGAAGCTGAAGGCGCCCCACAAGTGAAGCCGGTAAGAGGCTGGAGGAGCTGCCCGA
 CGCCGTGGGGAGACAGAGAGCGAAGAGTTGCAAAAACCAACAAAAGCAACAGGAGGCAGCCTTGGAGC
 TGAAGAGCTGAAGAAAAAGAGGGAAGAGAGAAGGAAGGTTCTGGAGGAAGAGGAGCAGAGAAGGAAGCA
 GGAGGAGGCTGATCGAAAAGCTAGAGAGGAGGAAGAGAAGAGGAGGTTGAAGGAAGAGATCGAAAGGAGA
 AGGGCAGAAGCTGCTGAGAAACGCCAGAAGATGCCGGAAGATGGCCTATCTGAGGACAAGAAGCCGTTCA
 AGTGCTTCACTCCTAAAGGCTCATCTCTCAAGATAGAGGAGCGAGCAGAGTTTTTGAATAAGTCTGTGCA
 GAAAAGTGGTGTCAAATCAACTCATCAAGCAGCTGTGGTCTCCAAGATTGACAGCCGGCTGGAGCAATAT
 ACCAATGCAATCGAGGGAACAAAAGCTTCAAACTATGAAGCCTGCAGCATCCGATCTTCTGTCCCTG
 CGGAAGGTGTCCGCAATATCAAGAGCATGTGGGAGAAAGGAGTGTGTTTTATCCCCCTCTGCCTCGGG
 GACACCAATAAGGAACTGCTGGCCTGAAGGTGGGGTTTCCAGCCGCATCAATGAATGGCTAACTAAA
 TCGCCGGACGGCAACAAGTCACCCGCTCCAAGCCTTCTGACTTAAGGCCAGGAGATGTATCTGGCAAGC
 GGAACCTCTGGGAAAAGCAATCCGTGGATAAGGTCACTTCTCCACTAAGGTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_013146

Insert Size: 1596 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).

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_013146.2](#), [NP_037278.1](#)

RefSeq Size: 2848 bp

RefSeq ORF: 1596 bp

Locus ID: 25687

UniProt ID: [Q62736](#)

Cytogenetics: 4q22

Gene Summary: actin binding protein that may be involved in regulation of uterine contractions during pregnancy and labor [RGD, Feb 2006]