

## Product datasheet for **MR208506**

### **Cald1 (NM\_145575) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Cald1 (NM_145575) Mouse Tagged ORF Clone                   |
| Tag:                      | Myc-DDK  |
| Symbol:                   | Cald1  |
| Synonyms:                 | 4833423D12Rik; AI195384; AV071549; AW536160; C920027I18Rik |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)                                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                       |



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**ORF Nucleotide Sequence:**

>MR208506 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTTAGCGGATCCGGTCCCAGGAAGCGCTGCCTGGCCACACTCTCTCAAATTCCTATCAGAGAA  
 ATGATGATGACGAAGAAGAGGCTGCCAGGAACCGCGCCCGGCCCGGCAGGAAAGGCTGCGGCAGAA  
 GCAAGAGGAAGAATCCTTGGGACAGGTGACAGACCAGGTGGAGGCCATGTCCAGAACAGTGTCCCCGAT  
 GAAGAGTCTAAGCCAGCCTCCTCAAACACTCAGGTAGAAGGTGACGAGGAGGCTGCCTTACTGGAGCGCC  
 TGGCTAGACGAGAAGAGAGAGCTCAAAAACGCCTTCAAGAACCTTAGAGCGTCAGAAGGAGTTTGATCC  
 GACCATAACAGATGGCAGTCTCTCAGGCCCAAGCCGAAGAATGCAAAATGACTCCGCCGAAAATGAGACA  
 GCAGAGGGGAAGAAAAAGAGAGAGTCGCTCAGGACGGTATGAGGTGGAAGAAACAGAAGTGGTCATCA  
 AGTCTACCAGAAGAACAGCTATCAGGATGCTGAAGACAAAAAGAAAGAAAAGGAAGAGGAGGAGCA  
 AGAGAAGCTGAAGGGAGGAGCCTTGGCGAAAATCAGATCAAAGATGAGAAGATTAAGGACAAAGAG  
 CCCAAAGAAGAAGTCAAGAGCTTCTGGATAGAAAGAAAGGATTTACAGAAGTGAAGGCCGAGAATGGAG  
 AATTCATGACCCACAACTTAAACAAACCAGAGAATGCTTTCAGCCCCAGCCGTTCAAGGAGCCGGGCCAG  
 TGGGGACAAGGAAGCTGAAGGTGCCCAAGTGAAGCCGGCAAGAGGCTGGAGGAGCTGCGCCGACGC  
 CGCGGGGAGACGGAGAACGAAGAGTTTGA AAAACTCAAACAGAAGCAACAGGAGGAGCCTTGGAGCTGG  
 AAGAGCTGAAGAAAAAGAGGGAAGAGAGAAGGAAGGTCTGGAGGAAGAGGAGCAGAGAAGAAAGCAGGA  
 GGAGGCTGATCGAAAAGCTAGGGAGGAGGAAGAGAAGAGGAGGTTAAAGGAAGAGATCGAAAAGGAGAAG  
 GCAGAAGCTGCTGAGAAGCGCCAGAAGATGCCAGAGGATGGCCTGTCGGAGGACAAGAAGCCGTTCAAGT  
 GCTTCACTCCTAAAGGCTCGTCTCTCAAGATAGAGGAACGAGCAGAGTTTTTGAATAAATCTGTGCAGAA  
 AAGTGGTGTGAGATCTACTACCAAGCAGCAGTAGTCTCCAAGATTGACAGCCGGCTGGAGCAGTACACC  
 AATGCAATCGAGGGAACAAGGCTTCGAAACCTATGAAGCCAGCAGCATCGGATCTCCCTGTTCTCGCCG  
 AGGGCGTCCGCAATATCAAGAGCATGTGGGAGAAGGGGAGCGTGTCTCAGCCCCCTCTGCCTCAGGAAC  
 ACCCAATAAGGAACTGCTGGCCTGAAGGTGGGAGTTTCCAGCCGATTAACGAATGGCTAACTAAATCA  
 CCAGATGGCAACAAGTCACTGCTCCCAAGCCTTCTGACTTGAGGCCAGGAGATGTATCTGGCAAGCGGA  
 ACCTCTGGGAAAAGCAATCTGTGGATAAGGTCACCTCCCCACTAAGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208506 protein sequence  
 Red=Cloning site Green=Tags(s)

MLSGSGSQRRCLATLSQIAYQRNDDDEEEAERERRRRARQERLRQKQEEESLQVTDQVEAHVQNSVDP  
 EESKPASSNTQVEGDEEAALLERLARREERRQKRLQEALERQKEFDPTITDGSLSGSRMRQNDSENET  
 AEGEEKRESRSGRYEVEETEVIKSYQKNSYQDAEDKKKEEKEEEEQEKLGKGSLENGQIKDEKIKDKDE  
 PKEEVKSFDRKKGFTVKAQNGEFMTHLQKQENAFSPSRSGRASGDKEAEGAPQVEAGRLEELRRR  
 RGETENEFEKQKQQAALALEELKKREERRKVL EEEEEQRRKQEEADRKAEEEEKRRLEEKIERRR  
 AEAAEKRQKMPEDGLSEDKPKFCFTPKGSSLKIEERAEFLNKSQKSGVRSTHQAAVSKIDSRLQYTT  
 NAIEGTKASKPMKPAASDLPVPAEGVRNIKSMWEKGSVFSAPSASGTPNKETAGLKVGVSSRINELTKS  
 PDGNKSPAPKPSDLRPGDVSGKRNLEWQSVDKVTSPTKV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145575

**ORF Size:** 1593 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_145575.1](#)

**RefSeq Size:** 4035 bp

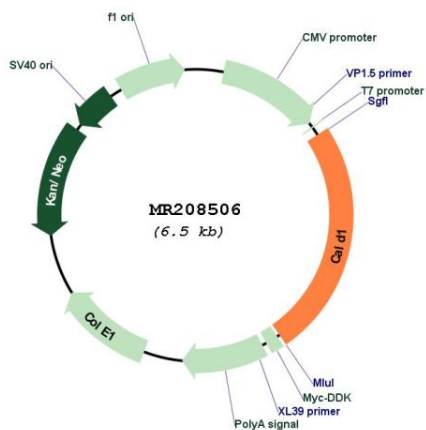
**RefSeq ORF:** 1593 bp

**Locus ID:** 109624

**Cytogenetics:** 6 15.07 cM

MW: 60.5 kDa

Product images:



Circular map for MR208506