

## Product datasheet for **MR221804**

### Caly (NM\_026769) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Caly (NM\_026769) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Caly  
**Synonyms:** 0710001P07Rik; 1110004A22Rik; Calcyon; Drd1ip  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR221804 representing NM\_026769  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTGAAGCTAGGCTGCAGCTTCTCAGGGAAGCCAGGCAAGGAAGCAGGAGACCAGGATGGGGCTGCCA  
TGGACAGCGTCCCTCTGATCAGCCCCCTGGATGTCAGCCAGCTTCAGCCGTCATTCTCAGACCAGGTGGT  
CATCAACACACAGACAGAATATCAACTTACCTCTGCAGACCAGCCAAAGAAGTTTGCAGATTTGGAGGGT  
CAGAGGCTGGCTTGCAGTCACTCAGAGGAAGGACGCAGACTGCCACCGCAAGGATGATCGCTTTTGCTA  
TGGCACTTCTGGGCTGTGTGCTGATCATGTACAAGGCCATCTGGTATGACCAGTTTACCTGCCAGATGG  
CTTCTACTTCGGCACAAGATCTGCACCCCACTGACCCTGGAGATGTAACACCGAGATGGACCCCGAA  
CGCCACCGCAGCATCCTGGCAGCCATCGGGCCTACCCACTGAGCCGCAACACGGCACTGAGATGCCCCG  
CTGTCTGGGAAACAACCTACCGG[AT]CCGCCAAGGAGGAGCATAAGGGCACTACCCCTGCGGCGATGGC  
TGTGTCCACTGCAGCTGCAGCTGCAGCGGCAGAGGGCACCGAGCCGTCAGGGAAGTCTTTGGACACGAGA  
GAGAAAGAAGACCCGAGAAAGCGGAGGGCGTGCCATCCCAGCCCCCAAG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR221804 representing NM\_026769  
Red=Cloning site Green=Tags(s)

MVKLGCSFSGKPGKEAGDQDGAAMDSVPLISPLDVSQIQPSFSDQVVINTQTEYQLTSADQPKKFADLEG  
 QRLACSHSEGRRLPTARMIAFAMALLGCVLIMYKAIWYDQFTCPDGFLLRHKICTPLTLEMYTMDPE  
 RHR SILAAIGAYPLSRKHGTEMPAVWGNRYRXXAKEEHKGTTPAAMAVSTAAAAAAAEGETPSGKSLDTR  
 EKEDPQKAEGVPSQPPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9024\\_h05.zip](https://cdn.origene.com/chromatograms/mm9024_h05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_026769

**ORF Size:** 681 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\\_026769.2](#), [NM\\_026769.3](#), [NM\\_026769.4](#), [NM\\_026769.5](#), [NP\\_081045.2](#)

**RefSeq Size:** 982 bp

**RefSeq ORF:** 681 bp

**Locus ID:** 68566

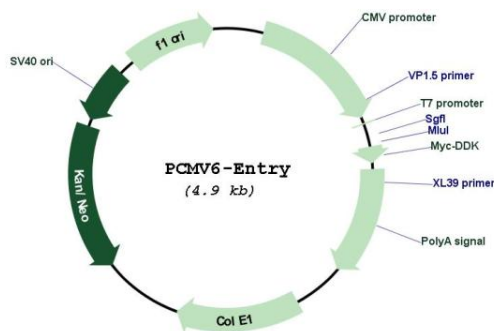
**UniProt ID:** [Q9DCA7](#)

**Cytogenetics:** 7 F4

**MW:** 25 kDa

**Gene Summary:** Interacts with clathrin light chain A and stimulates clathrin self-assembly and clathrin-mediated endocytosis.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR221804