

Product datasheet for **MG221803**

Caly (NM_001190385) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Caly (NM_001190385) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Caly
Synonyms: 0710001P07Rik; 1110004A22Rik; Calcyon; Drd1ip
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221803 representing NM_001190385
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGAAGCTAGGCTGCAGCTTCTCAGGGAAGCCAGGCAAGGAAGCAGGAGACCAGGATGGGGCTGCCA
 TGGACAGCGTCCCTCTGATCAGCCCCCTGGATGTCAGCCAGCTTCAGCCGTCATTCTCAGACCAGGTGGT
 CATCAACACACAGACAGAATATCAACTTACCTCTGCAGACCAGCCAAAGAAGTTTGCAGATTTGGAGGGT
 CAGAGGCTGGCTTGCAGTCACTCAGAGGAAGGACGCAGACTGCCACCGCAAGGATGATCGCTTTTGCTA
 TGGCACTTCTGGGCTGTGTGCTGATCATGTACAAGGCCATCTGGTATGACCAGTTTACCTGCCAGATGG
 CTTCCTACTTCGGCACAAGATCTGCACCCCACTGACCCTGGAGATGTACTACACCGAGATGGACCCCGAA
 CGCCACCGCAGCATCCTGGCAGCCATCGGGCCTACCCACTGAGCCGCAACACGGCACTGAGATGCCCCG
 CTGTCTGGGAAACAACCTACCGGACCGCAAGGAGGAGCATAAGGGCACTACCCCTGCGGCGATGGCTGT
 GTCCACTGCAGCTGCAGCTGCAGCGGCAGAGGGCACCGAGCCGTCAGGGAAGTCTTTGGACACGAGAGAG
 AAAGAAGACCCGAGAAGGCGGAGGGCGTGCCATCCCAGCCCCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221803 representing NM_001190385
Red=Cloning site Green=Tags(s)

MVKLGCSFSGKPGKEAGDQDGAAMDSVPLISPLDVSQIQPSFSDQVVINTQTEYQLTSADQPKKFADLEG
 QRLACSHSEGRRLPTARMIAFAMALLGCVLIMYKAIWYDQFTCPDGFLLRHKICTPLTLEMYYTEMDPE
 RHR SILAAIGAYPLSRKHGTEMPAVWGNRYRTAKEEHKGTTPAAMAVSTAAAAAAEGTEPSGKSLDTR
 KEDPQKAEGVPSQPPK

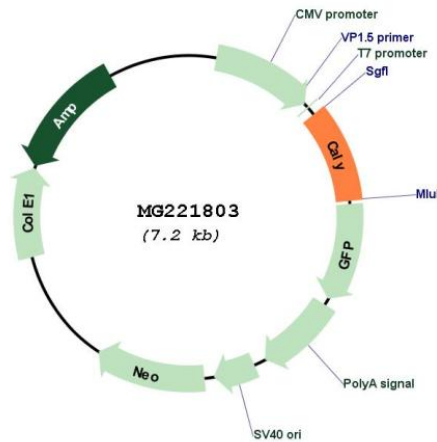
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001190385

ORF Size: 678 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:	<ol style="list-style-type: none">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_001190385.1 , NP_001177314.1
RefSeq Size:	1260 bp
RefSeq ORF:	681 bp
Locus ID:	68566
UniProt ID:	Q9DCA7
Cytogenetics:	7 F4
Gene Summary:	Interacts with clathrin light chain A and stimulates clathrin self-assembly and clathrin-mediated endocytosis.[UniProtKB/Swiss-Prot Function]