

Product datasheet for **RR216089**

Caly (NM_001190399) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caly (NM_001190399) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Caly
Synonyms:	Calcyon; Drd1ip
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR216089 representing NM_001190399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAAACTAGGCTGCAGCTTCTCAGGGAAGCCAGGCAAGGAAACAGGAGACCAGGATGGGGCTGCCA
TGGACAGTGTGCCTCTGATCAGCCCCCTGGATGTCAGCCAGCTTCAGCCATCATTCCCTGACCAGGTGGT
CATCAAAACACAGACAGAATATCAACTTACCTCTGCGGACCAGCCAAAGAAGTTCGCAGATTGGAGGGT
CAGAGGCTGGCCTGCAGCCACCCAGAGGAAGGACGCAGACTGCCCACTGCAAGGATGATTGCCTTTGCTA
TGGCACTTCTGGGCTGTGTGCTGATCATGTACAAGGCCATTTGGTATGACCAGTTCACCTGCCAGATGG
CTTCCTACTTCGGCACAAGATCTGCACCCCACTGACCCTGGAGATGTACTACACCGAGATGGACCCGAA
CGCCACCCGAGCATCCTGGCAGCCATCGGGGCCTACCCACTGAGCCGCAAGCACGGCACTGAGATGCCCG
CCATCTGGGGAACAGCTACCGGGCCGCAAGGAGGAGCATAAGGGCACCAACCCAGCTGCGATGACTGT
GTCCACTGCAGCTGCAGCTGCAGCGGAGAGGGCAACGAGCCGTGAGGGAAGCCTTTGGACATGAGAGAG
AAAGAAGATCCGAGAAGGCGGAGGATGTGCCGTCCCAGTCCCCAAGAAAGAAGATCCGAGAAGGCGG
AGGATGTGCCGTCCCAGTCCCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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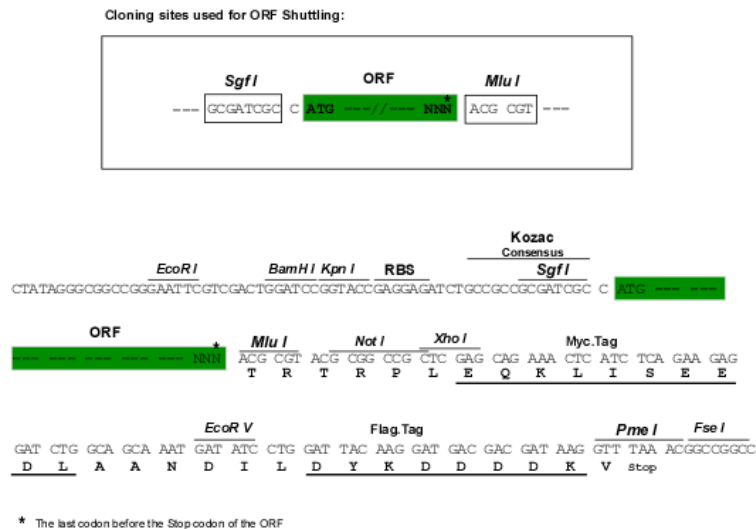
Protein Sequence: >RR216089 representing NM_001190399
 Red=Cloning site Green=Tags(s)

MVKLGCSFSGKPGKETGDQDGAAMDSVPLISPLDVSQLQPSFPDQVVIKTQTEYQLTSADQPKKFADLEG
 QRLACSHPEEGRRLLPTARMIAFAMALLGCVLIMYKAIWYDQFTCPDGLLRHKICTPLTLEMYYTEMDPE
 RHRASILAAIGAYPLSRKHGTEMPAIWGNYSYRAGKEEHKGTTPAAMTVSTAAAAAAGNEPSGKPLDMRE
 KEDPQKAEDVPSQSPKKEDPQKAEDVPSQSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190399

ORF Size: 726 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001190399.1, NP_001177328.1

RefSeq Size: 991 bp

RefSeq ORF: 681 bp

Locus ID: 192349

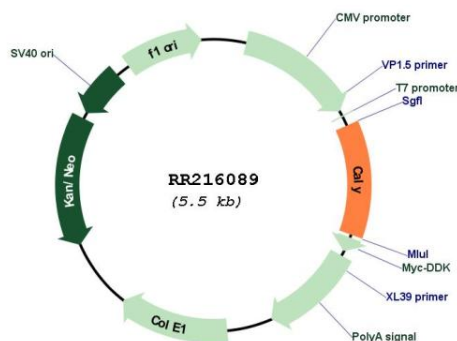
UniProt ID: P58821

Cytogenetics: 1q41

MW: 24.7 kDa

Gene Summary: dopamine receptor 1 (D1R) of D1-like receptors interacting protein [RGD, Feb 2006]

Product images:



Circular map for RR216089