

Product datasheet for **RR200524**

Calca (NM_001033955) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Calca (NM_001033955) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Calca
Synonyms: Cal1; CAL6; Calc; calcitonin; CGRP; RATCAL6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200524 representing NM_001033955
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCTTCTGAAGTTCTCCCTTTCTGGTTGTCAGCATCTTGCTCCTGTACCAGGCATGCGGCCTCC
AGGCAGTTCCTTTGAGGTCAACCTTGAAAGCAGCCCAGGCATGGCCACTCTCAGTGAAGAAGAAGCTCG
CCTACTGGCTGCACTGGTGCAGAACTATATGCAGATGAAAGTCAGGGAGCTGGAGCAGGAGGAGAACAG
GAGGCTGAGGGCTCTAGTGTCACTGCCAGAAGAGATCCTGCAACTGCCACCTGCGTGACCCATCGGC
TGGCAGGCTTGCTGAGCAGGTCTGGGAGGTGTGGTGAAGGACAACCTTTGTGCCACCAATGTGGGCTCTGA
AGCCTTCGGCCGCCGCCGAGGGACCTTCAGGCTAGCCTTCGGCCGCCGCCGAGGGACCTTCAGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200524 representing NM_001033955
Red=Cloning site Green=Tags(s)

MGFLKFSFPLVVSILLLYQACGLQAVPLRSTLESSPGMATLSEEEARLLAALVQNYMQMKVRELEQEEEQ
EAEGSSVTAQKRSCNTATCVTHRLAGLLSRGGVVKDNFVPTNVGSEAFGRRRRDLQASLRPPPQGPSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

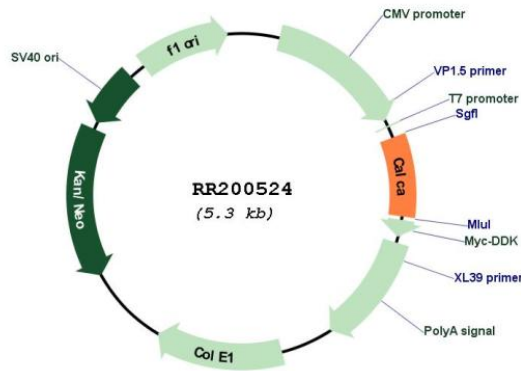


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001033955

ORF Size: 384 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 Size:	991 bp
RefSeq ORF:	387 bp
Locus ID:	24241
UniProt ID:	P01256
Cytogenetics:	1q35
MW:	14 kDa
Gene Summary:	an inhibitor of lactotroph function and a potent vasodilator [RGD, Feb 2006]