

Product datasheet for **RN200525**

Calca (NM_001033956) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calca (NM_001033956) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Calca
Synonyms:	Cal1; CAL6; Calc; calcitonin; CGRP; RATCAL6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200525 representing NM_001033956 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCTTTCTGAAGTTCTCCCTTTCTGGTTGTCAGCATCTTGCTCCTGTACCAGGCATGCGGCCTCC
AGGCAGTTCCTTTGAGGTCAACCTTGAAAGCAGCCAGGCATGGCCACTCTCAGTGAAGAAGAAGCTCG
CCTACTGGCTGCACTGGTGCAGAACTATATGCAGATGAAAGTCAGGGAGCTGGAGCAGGAGGAGGAACAG
GAGGCTGAGGGCTCTAGTGTCACTGCCAGAAGAGATCCTGCAACTGCCACCTGCGTGACCCATCGGC
TGGCAGGCTTGCTGAGCAGGTGGGAGGTGGTGAAGGACAACCTTTGTGCCACCAATGTGGGCTCTGA
AGCCTTCGGCCGCCGCCAGGGACCTCAGGCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1464_b04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001033956

Insert Size: 387 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_001033956.1, NP_001029128.1</u>
RefSeq Size:	967 bp
RefSeq ORF:	387 bp
Locus ID:	24241
UniProt ID:	<u>P01256</u>
Cytogenetics:	1q35
Gene Summary:	an inhibitor of lactotroph function and a potent vasodilator [RGD, Feb 2006] Transcript Variant: This variant (3) differs in the 3' UTR and 3' coding sequence compared to variant 1. The resulting isoform (Cgrp) has a shorter and distinct C-terminus compared to isoform Calca.