

## Product datasheet for **RN200523**

### Calca (NM\_017338) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calca (NM_017338) 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:	>RN200523 representing NM_017338 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCTTTCTGAAGTTCTCCCTTTCTGGTTGTCAGCATCTTGCTCCTGTACCAGGCATGCGGCCTCC  
AGGCAGTTCCTTTGAGGTCAACCTTGAAAGCAGCCAGGCATGGCCACTCTCAGTGAAGAAGAAGCTCG  
CCTACTGGCTGCACTGGTGCAGAACTATATGCAGATGAAAGTCAGGGAGCTGGAGCAGGAGGAGAACAG  
GAGGCTGAGGGCTCTAGCTTGGACAGCCCCAGATCTAAGCGGTGTGGGAATCTGAGTACCTGCATGCTGG  
GCACGTACACACAAGACCTCAACAAGTTTCACACCTTCCCCAACTTCAATTGGGGTTGGAGCACCTGG  
CAAGAAAAGGGATATGGCCAAGGACTTGGAGACAAACCACCACCCCTATTTGGCAACT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017338
Insert Size:	411 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).



[View online »](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017338.2</a> , <a href="#">NP_059034.1</a>
<b>RefSeq Size:</b>	666 bp
<b>RefSeq ORF:</b>	411 bp
<b>Locus ID:</b>	24241
<b>UniProt ID:</b>	<a href="#">P01257</a>
<b>Cytogenetics:</b>	1q35
<b>Gene Summary:</b>	an inhibitor of lactotroph function and a potent vasodilator [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longer isoform (Calca).