

## Product datasheet for **RC230925**

### **CAMTA1 (NM\_001195563) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CAMTA1 (NM\_001195563) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CAMTA1  
**Synonyms:** CANPMR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC230925 representing NM\_001195563  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGGCGCGGGAGGGAAATGGCTGCCGAAAACAAGCCGGAAGAGCGTTTCCCAAAGTATTCTGCG  
GAACTAGCACCTACTGTGTTCTCAACACCGTGCCACCTATAGAAGATGATCATGGGAACAGCAATAGTAG  
TCATGTAAAAATCTTTTACCGAAAAGCTGCTTGAATGTCTGCCGAAATGTTCAAGTTTACCAAAGAG  
AGGCACCCTGGAACACTAATGAGAGATCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC230925 representing NM\_001195563  
Red=Cloning site Green=Tags(s)

MWRAEGKWLPKTSRKSVSQSVFCSTSTYCVLNTVPPIEDDHGNSNSSHVKIFLPPKLLLECLPKCSSLPKE  
RHRWNTNERS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

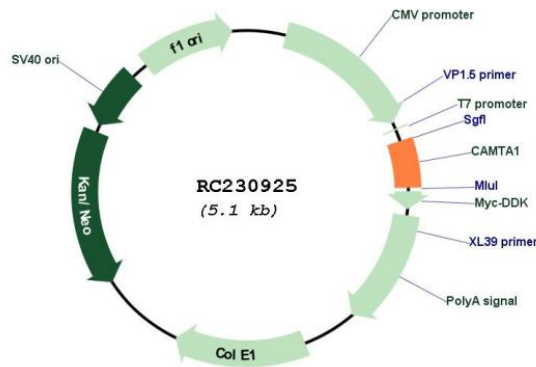


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001195563

ORF Size: 240 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001195563.2</a>
<b>RefSeq ORF:</b>	243 bp
<b>Locus ID:</b>	23261
<b>UniProt ID:</b>	<a href="#">Q9Y6Y1</a>
<b>Cytogenetics:</b>	1p36.31-p36.23
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	9.6 kDa
<b>Gene Summary:</b>	The protein encoded by this gene contains a CG1 DNA-binding domain, a transcription factor immunoglobulin domain, ankyrin repeats, and calmodulin-binding IQ motifs. The encoded protein is thought to be a transcription factor and may be a tumor suppressor. However, a translocation event is sometimes observed between this gene and the WWTR1 gene, with the resulting WWTR1-CAMTA1 oncoprotein leading to epithelioid hemangioendothelioma, a malignant vascular cancer. [provided by RefSeq, Mar 2017]