

Product datasheet for SC304260

CAMTA1 (NM_015215) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CAMTA1 (NM_015215) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAMTA1
Synonyms:	CANPMR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>SC304260 representing NM_015215. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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CGAGGAGGAGGAGGATGTGGCGCGGAGGGAAATGGCTGCCGAAAACAAGCCGGAAGAGCGTTTCCC
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_015215 unedited
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GTATTCTGCGGAACTAGCACCTACTGTGTTCTCAACACCGTGCCACCTATAGAAGATGAT
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CTGCCGAAATGTTCAAGTTTACCAAAAGAGAGGCACCGCTGGAACACTAATGAGGAAAT
GCAGCTTATTTAATAACATTTGAGAAACACGAAGAATGGCTAACCACCTCCCTAAGACA
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3' Read Nucleotide Sequence:

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>OriGene 3' genomic read for NM_015215 unedited
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GAGCCTGTCCATGCTGCCACCAACGTGTCCGAAGAGCTGGTCTCTCCACCACCCTCGA
CGGTGGCCGGAAGATTCCAGAAACCACCATGAACTTTGACCCCGACTGTTTCTTAATAA
CCCAAAGCAGGGCCAGACGTACGGGGTGGAGGCCTGAAAGCCGAGATGGTCAGCTCCAA
CATCCGGCACTCGCCACCCGGGAGCGGAGCTTACGCTTTACCACCGTCTCACCAAGGA
GATCAAGACCGAGGACACCTCCTTCGAGCAGCAGATGGCCAAAGAAGCGTACTCCTCCTC
CGCGGCGGCTGTGGCAGCCAGCTCCCTCACCTGACCGCGGCTCCAGCCTCCTGCGGTC
GGGCGGGCGCCTGAGTCCAGCACCACCTGGAGCAGATGGACTTCAGCGCCATCGACTC
CAACAAGGACTACACGTCCAGCTTCAGCCAGACGGGCCACAGCCCCACATCCACCAGAC
CCCCTCCCGAGCTTCTTCTGCAAGGACGCCAGCAAAACCCCTCCCGTTCGAGCAGAACAC
CCACAGCAGCCTGAGTACTCTGGGGCACCTTCGTGATGCCACGGTAAAAACGGAGGC
CTCGTCCANACCAGCTCCTGCAGCGGTACGTTGGAGACGCGGATCGAGTCCACTTTCTC
CCTCCACCTCATGCAGTTCAGGCCAACTTCCAGGCCATGACGGCAGAAGGNGAGGTCAC
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AGCTT
    
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_015215
Insert Size:	6402 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).
OTI Annotation:	There are 5 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 3 amino acid.
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_015215.1</u>
RefSeq Size:	8457 bp
RefSeq ORF:	6402 bp
Locus ID:	23261
UniProt ID:	<u>Q9Y6Y1</u>
Cytogenetics:	1p36.31-p36.23
Protein Families:	Transcription Factors
MW:	235.8 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a, also known as 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>