

## Product datasheet for RN217681

### Camta1 (NM\_001195559) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Camta1 (NM_001195559) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Camta1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217681 representing NM_001195559 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGTGGCGCGCGGAGGGGAAATGGCTGCCGAAACAAGCCGGAAGAGCGTTTCCCAAAGTGTATTCTGCG  
GAACTAGCACCTACTGTGTTCTCAACACCGTGCCACCTATAGAAGATGATCATGGGAACAGCAATAGTAG  
TCATGTAAAAATCTTTTACCGAAAAAGCTGCTTGAATGTCTGCCGAAATGTTCAAGTTTACCCAAAGAG  
AGGCACCGCTGGAACACTAACGAGGAAATGCGGCTTATTTAATAACATTTGAGAAACATGAAGAAATGGC  
TAACCACATCCCCTAAGACAAGACCTCAGAACGGCTCCATGATACTCTACAACAGGAAGAAAGTGAAGTA  
CAGAAAAGACGGGTAAGTGTGGAAGAAGAGGAAAGATGGGAAAACGACCAGAGAGGACCACATGAAGCTC  
AAAGTCCAGGGAGTCGAGTGCTTGTACGGCTGCTATGTCCATTCTCCATCATTCTACTTTCCACCGGA  
GGTGCTACTGGCTCCTTCAGAACCCCGACATCGTCCTGGTGCACCTACCTGAATGTGCCAGCCATCGAGGA  
CTGTGGCAAGCCCTGCGGGCCATCCTCTGCTCCATCAACACAGACAAGAAGGAGTGGGCAAGTGGACG  
AAGGAGGAACTCATCGGCAGCTGAAACCCATGTTCCATGGTATCAAATGGACCTGCAGCAATGGGAATA  
GCAGCTCGGGCTTCTCCGTGGAGCAGCTGGTGCAGCAGATCCTCGACAGCCACCAGACCAAGCCCCAGCC  
ACGGACCCACAACCTGCCTCTGCACCGGCAGCCTGGGAGCGGGCAGCAGCGTGCATCATAAGTGTAAACAGT  
GCCAAACACCGCATCATCTACCAAAGTGGAGCCGAGGGCCGGGGGCTACGGGGCCACTCCGAAGTTC  
AACATAACGATGTGTCGGAGGGCAAGCATGAACCCAGCCACAGCAGGAGCACAAGCCGGGAAAAGAGGAA  
TGGCAAGGTGGCAAGCCGGCACTACTGCACCAGAACAGCACGGAGGTTTCTCCACCAACCAGGTGGAG  
GTCCCCGACACTACCCAGAGCTCCCCTGTGTCCATCAGCAGCGGGCTCAACAGTGACCCAGACATGGTAG  
ACAGCCCAGTTGTACAGGTGTGTCAGCATGGCAGTGGCTTCTGTGATGGGGGACTGTCCCAAAGTGC  
CACAGTGTTCATGTCAGAGGTCACTAATGAGGCCGTGTACACCATGTCCCCACCGCTGGCCCCAACCCAC  
CACCTCCTCTCGCTGATGCTTCTCAGGCCCTGTACTGGCTGTAAGTTCTGACGGCCACAAGTTTGCTC  
TCCCCACCACGGGCAGCTCGGACAGCCTGTCCATGCTGCCCGCAATGTGTCCGAAGAGTTGGTCTCTC  
CACCACCTTGACGGTGGCCGGAAGATTCCAGAGACCGCCATGAACCTTTGACCCCGACTGTTTCTCAAT  
AACCCAAAGCAGGGCCAGACGTACGGGGTGGGGCCTGAAAGCCGAAATGGTTAGCACCAATATCCGGC  
ACTCGCCGCCCGGAGAGGAGCTTTGGCTTACCAGCGTCTCACCAAGGAGATCAAGACAGAAGACAC  
CTCCTTTGAGCAGCAGATGGCCAAAGAGGGCCCTACTCTCTCAGCGGCGGGCGGGCGGGCGGGCGGCG



[View online »](#)

GCTGCTGCAGCGTCCAGCTCCCTCACCCCTAACTGCGGGGTCTAGCCTCCTGCCGTGCGGGCGTGGCCTGA  
 GCCCCAGCACCCCTTGAGCAGATGGACTTCAGTGCCATAGACTCTAACAAAGACTACACGTCCAGCTT  
 CAGCCAGACAGGCCACAGCCCCATATCCACCAGACCCCTCCCCAGCTTCTTCTGCAGGATGCCAGC  
 AAACCCCTCCCCCTTGAGCAGAAATCCACGGCAGCCTAAGCGAGTCGGGGGCGCCTTTGTGATGCCCA  
 CGGTGAAAACGGAGGCCCTCTCCAAACCAGCTTTGCAGTGGCCACGTGAAACGCGAATAGAGTCTAC  
 TTCTCCCTGCACCTCATGCAGTTCAGGCCAATTCCAGGCCTTGGCAGCAGAAGGGGAGGTTACCATG  
 GAGACTCGCAGGCAGCTGAAGGGAGTGAGTCTCTCAAGTCTGGGGAGCTGCAGACCTGTGGTCCG  
 AGCACTACCTGCAACCAGAGACCAACGGGGTATCCGCGAGCGCAGGTGGCGTCCCCCTTCTCCCGAGCAA  
 TGTGGTGCAGGGACTCTACCCCGTAGCCAGCCAGCCTGGGCACCACCTCCAACATGGAGCTCAGCCTG  
 GACCACTTTGACATTTCTTTCAGCAATCAGTTCTCAGACCTGATCAATGACTTCATCTCTGTGGAGGGG  
 GCAGTGGTACGATCTACGGGCACCAGCTGGTGTGCGGGGACAGTGTGACTCTCACAGTCGGAAGATGG  
 GGCACGGGCACCCTTACCCAGGCGGAGATGTGCATTCCCTGCTGCAGCCCCAACAGGGCAGCCTGCAG  
 CTGAGCAGCGCTGAGGGCGGGCCAGCACCATGGCCTACATGCATGTGGCCGAGGTGGTCTCGGCCGCT  
 CGGCCAGGGCACCTGGGTATGCTGCAGCAGAGCGGACGGGTGTTTCATGGTACTGACTATTCCCAGA  
 GTGGTCTTACCCAGAGGGAGGAGTGAAGTTCTCATCACAGGCCATGGCAAGAAGCCAGCAATAATTAC  
 AGTTGCCTGTTTGACCAGATCTCCGTGCCTGCATCCCTGATTACGCTGGGGTGTGCGTGTACTGCC  
 CAGCCCATGCACGGGTCTTGTGACCCTACAAGTTGCCTTCAACAATCAGATCATCTCCAACCTCGGTGGT  
 GTTTGAGTACAAAGCTCGGGCTCTCCCCAGCTCCCTTCTCCAGCAGACTGGCTGTCAATGGACGAT  
 AACCAAGTTCAGGATGTCCATCCTGGAGCGGCTGGAGCAGATGGAGAGGGGATGGCCGAGATGACCGGT  
 CCCAGCAGCACAAGCAGGCGAGCAGCGGAGGCAAGTGGCAGCGCGGGAGCAGCAGTGGGAGCGGCTCCGG  
 AGGGGGCCAGGCCAGTGTGCATCTGGCCCGGGACCTGGGGAGCTGCTTCGAGAGCCGTGTGGTTGTC  
 GTCTGTGAGAAGATGATGAACAGAACCTGCTGGCCAAGTCCAAGCATCTGATCCATTGAAAGACGTTCC  
 GTGGAATGACCCTTTACACCTGGTCCGCCCCAGGGCTACGCCACCCTGATCCAGACCTCATCAAGTG  
 GCGCACAAAGCATGCAGACAGCATTGATTTGGAAGTGGAAAGTCGATCCTCTCAATGTGGACCATCTCC  
 TGCACTCCCTGATGTGGCCTGTGCACTAGGGCACTTGGAGGCGGCTGTGGTACTGTACAAGTGGGACC  
 GCGGGCCATCTCCATCCCCGACTCTCTGGGACGGCTGCCTTTGGGAATCGCCAGGTCGAGGGGCCACGT  
 GAAGTTAGCAGAGTGTCTGGAGCACCTGCAGAGAGACGAGCAGGCCAGCTGGGACAGACCTCCCGGATC  
 CACTGCGCCCCGAGCGAAGAGCCAAGCAGACAGCTGGATGGCCAGTGGCCGAGGGAGGCCGTGAGCT  
 CTCCGAAATACCAAGGGGTCACCGTATCGCGAGCACAATCCAGAGCTGAGAAGACCTCGGTCTGA  
 ACCCTTAATTACTACAGCACTGAGGGCCACAAGATTATCCGGTCCCCAAAAGCATAAATTGAACCCC  
 GAGTCTTCCAGGCAAGGCAGGAGAAGTGTCTGCACTGCACTGAGCCTGGAGCAGCCAAATATCAGGA  
 AGCAGAGCCCTAGGTCTAAGCAGTCTCCCCGAGACAATCAGCCCCAGTGAAGGAGTGAGGGGGTACAG  
 CCGAGAAGCCTCCCTCCCACTCCAGAGACCGCAGCATCCAGGCGTCTGCATCTCAGCCCGTAGTAAAG  
 TGGAGTCCAAAGACCCTTATATTGGTGTGTCTACAGTACAGGTGACTGGAAATCCGAAGGGGACCAGTG  
 TAGTAAAGGACGCGGCACCCTCACAGGTGCGTCCGAGGGAACCAATGAGCGTCTCTGATGTTGGCTAACAG  
 AGAGGTGGTGAATACAGAGATGGGGGCCTACCGGGATAGGACAGAGCAGGAAATGCTCCAGCCATG  
 GATGATATTCAGGTGAACATGATGACCTGGCGGAGCACATTATCGAGGCCACACCAGCCGAATCAAGC  
 AGGAGACCTTTGTGCCCTTGAATCAGCCTCGGAGAGAAGCAGATCCGGCCACCTTAGCAGTACGATGAG  
 CTGGCTGGCCAGTTACCTAGCTGATGCTGACCGTCTGCCAGCGCTGCCACATCAGGAGTGCCTACAT  
 GAGCCCATGACTCCGTCTCTAACGCCAGCTTGGAGCCACAGGCTCTCAGTCAAGTGGGTTTTCG  
 AGAAACCCAGCCTCCCGTGCAGCTGCAGACTGGTGGAGTTCTGAGCGCTCCGCCAGCAGAGAAGGTGGA  
 GAGTGCAGCTCAGCTCACACTGTGCGGACCAGCAGCAGGAGAACTCTACGAGGCTGCCAGGCTCGTC  
 CAGACGGCCTTCCGGAAGTATAAGGGCAGACCCCTGCGGGAACAGCAGGAAGTGGCTGCAGCCGTATCC  
 AGCGCTGTACAGGAAGTACAAGCAGCTGACATGGATAGCCTTGAAGTATGCACTTTACAAAAAGATGAC  
 ACAAGCGGCCATCCTCATCCAGAGCAAATCCGAAGTTACTACGAGCAGAAGCGGTTTCAGCAGAGCCGG  
 CGCGCTGCAGTGTGATTAGAAGTCTACCGGAGCTACAAGAAGTGGCGCAGGAGACGGCCAGCCCGCA  
 GGACAGCGGTATCGTGCAGCAAAGCTCAGGAGCAGTTTGTGACCAAAAAGCAGGACCAAGCTGCTCG  
 AAAAATAATGAGTTTCTGCGCCGCTGCTGTCACAGCCCTGGTGGACCATAGGCTGTACAAAAGGAGT  
 GAAAGAATTGAAAAGGCCAAGGAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001195559
<b>Insert Size:</b>	5070 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001195559.1</a></u> , <u><a href="#">NP_001182488.1</a></u>
<b>RefSeq Size:</b>	8460 bp
<b>RefSeq ORF:</b>	5070 bp
<b>Locus ID:</b>	362665
<b>Cytogenetics:</b>	5q36