

Product datasheet for MC224818

Camta1 (NM_001081557) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camta1 (NM_001081557) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Camta1
Synonyms:	1810059M14Rik; 2310058O09Rik; AI316882; AW987475; mKIAA0833
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224818 representing NM_001081557 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCGCGGGAGGGAAATGGCTGCCGAAAACAAGCCGGAAGAGCGTTTCCCAAAGTGATTCTGCG
GAACTAGCACCTACTGTGTTCTCAACACCGTGCCACCTATAGAAGATGATCATGGGAACAGCAATAGTAG
TCATGTAAAAATCTTTTACCAGAAAAGCTGCTGAATGTCTGCCGAAATGTTCAAGTTTACCCAAAGAG
AGGCACCGCTGGAACACTAATGAGGAAATTGCGGCTTATTTAATAACATTTGAGAAACACGAAGAATGCC
TAACCACATCCCCTAAGACAAGACCCGAGAATGGCTCCATGATACTCTACAACAGGAAGAAAGTGAAGTA
CAGGAAAGACGGGTACTGCTGGAAGAAGAGGAAAGATGGGAAAACGACCAGAGAGGACCACATGAAGCTC
AAAGTCCAGGGAGTTGAGTGCTTGTACGGCTGCTATGTCCATTCTCCATCATACCTACTTTCCACCGGA
GGTGCTACTGGCTCCTTCAGAACCCCGACATCGTCTGGTGCCTACCTGAATGTGCCGGCCATTGAGGA
CTGCGGAAGCCCTGTGGGCCCATCCTCTGCTCCATCAACACCGACAAGAAGGAGTGGGCTAAGTGGACG
AAGGAGGAACTCATCGGGCAGCTGAAGCCCATGTTCCATGGTATCAAATGGACCTGCAGCAATGGAAACA
GCAGCTCAGGCTTCTCCGTGGAGCAGCTGGTGAACAGATCCTCGACAGCCACCAGACCAAGCCCGAGCC
CCGACCCACAACCTGCCTCTGCACCGGCAGCTGGGAGCGGGCAGCAGCGTGCATATAAGTGTAAATAGT
GCCAAACACCGCATCATCTACCAAAGGTGGAGCCGCGGGCCGGGGCTATGGGGCCACTCGGAAAGTAC
AACACAACGACGTGTGAGAGGGCAAGCATGAACCCAGCCACGGCAGGAGCACGAGCCGGGAGAAGAGGAA
TGGCAAGTGGCCAAGCCGCACTGCTGCACCAGAACAGCACGGAGGTTTCTCCACCAACCAGGTGGAG
GTCCCCGACACTACCCAGAGCTCCCCGTGTCATCAGCAGCGGGCTCAACAGTGACCCAGACATGGTAG
ACAGCCCGTTGTACAGGTGTGTCAGCATGGCAGTGGCCTCTGTGATGGGGGGACTGTCCCAAAGTGC
CACAGTGTATGTCCGAGGTCACTAACGAGGCCGTGTACACCATGTCCCCACCGCTGGTCCCAACCAC
CACCTCTCTCGCCGATGCCTCTCAGGCCTGTACTGGCTGTAAGTTCTGACGGCCACAAGTTTGCCT
TCCCCACCAGGGCAGCTCAGACAGCCTGTCCATGCTGCCCGCAATGTGTCCGAAGAGCTGGTCTCTC
CACCACCTCGACGGTGGCCGGAAGATTCCAGAGACCGCCATGAACCTCGACCCGACTGTTTCTCAAT



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AATCCAAAGCAGGGCCAGACATACGGGGTGGGGCCTGAAAGCTGAGATGGTTAGCACCAATATCCGGC
 ACTCGCCGCTGCAGAGAGGAGCTTTGGCTTACCAGCGTCTCACCAAGGAGATCAAGACCGAAGACAC
 CTCCTTTGAGCAGCAGATGGCCAAAGAGGCGGCTACTCCTCCTCGGCGGAGCTGCCGCGTCCAGCTCC
 CTCACACTGACCGCGGGGATCTAGCCTCTGCCGTGGGGCGGTGGCTGAGTCCCAGCACCACCTCG
 AGCAGATGGACTTCAGTGCCATAGACTTAACAAGGACTACGCGTCCAGCTTCCAGCCAGACGGGCCACAG
 CCCCCATCCACCAAACCCCTCCCCAGCTTCTTCTGCAGGATGCCAGCAAGCCCCCTCCCCTTGAG
 CAGAATACCCACAGCAGCCTAAGCGAGTCAGGGCCGCTTTGTGATGCCACGTTGAAAACGGAGGCCT
 CGTCCCAAACCGCTTTCAGCGGCCAGTGGAAACCCGGATAGAGTCTACTTCTCCTTGCACCTCAT
 GCAGTTCAGGCCAATTCCAAGCCATGGCGGAGAAGGGGAGGTTACCATGGAGACCTCACAGGAGCT
 GAAGGGAATGAGGTCCTCCTCAAGTCTGGGAGCTGCAGGCTGTGGCTCTGAGCACTACCTGCAGCCAG
 AGACCAATGGGGTATCCGCAGCGCAGGTGGCGTCCCCCTTCTCCGAGCAATGTGGTGCAGGGACTCTA
 CCCGGTGGCCAGCCAGCCTGGGCAACAGCTTAACATGGAGCTCAGCTGGACCCTTTGACATTTCC
 TTCAGCAATCAGTTCAGACCTGATCAATGACTTCATCTCTGTGGAGGGGGCAGTGGTACGATCTACG
 GGCACCAGCTGGTGTGGGGGACAGCGTGCACCTCACAGTCGGAAGATGGGGCGGGCACCTTCCAC
 CCAGGCGGAGATGTGATTCCTGCTGCAGCCCCAACAGGGCAGCCTGCAGCTGAGCAGCGCTGAGGGC
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 GCATGCTGCAGCAGAGCGGACGGGTGTTGATGGTACTGACTATTTCCCAAGAGTGGTCTTACCCAGAGGG
 AGGAGTGAAGGTTCTCATCACAGGCCATGGCAAGAAGCCAGCAATAATTACAGTTGCCTGTTTGACCAG
 ATCTCCGTGCCTGCATCCCTGATTCAGCCTGGGGTGTTCGCTTACTGCCAGCCACGACACGGGTC
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 GGCCTGCCACACTCCCTTCTCCAGCAGACTGGCTGTACTGGACGATAACCAGTTCAGGATGTCC
 ATCCTGGAGCGTCTGGAGCAGATGGAAAGGAGGATGGCCGAGATGACCGGCTCCAGCAGCACAAAGCAGG
 CGAGCGCGGAGGCGGACAGCGGAGCGGAGTGGTCCCGGAGGGGCCAGGCCAGTGCCTC
 GGGCGCTGGGACCTGGGGAGCTGCTTCGAGAGCCGTGTGGTGTGCGTGTGAGAAGATGAGCCGG
 GCCTGCTGGGCCAAGTCCAAGCATCTGATCCATTGGAAGACCTTCGCGGGATGACCCTTTACACCTGG
 CTGCTGCCAGGGCTACGCCACCCTGATCCAGACCCTCATCAAATGGCGCACAAGCATGCAGACAGCAT
 TGATTTGGAATGGAGGTTGATCCCCTGAATGTGGACACTTCTCCTGTACTCCTCTGATGTGGGCTGT
 GCCCTGGGGCACTTGAAGCGGTGTGGTGTCTACAAGTGGGACCGCGGGCCATCTCCATCCCCGACT
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 CCTGCAGAGAGATGAGCAGGCCAGTTGGGACAGGCTCCCGGATCCACTGTGCCCAAGCGAAGAGCCA
 ACCACAGACAGCTGGATGGCCAGTGGCAGAGGGAGGCCATGAGCCCTCCAGAAATACCCAAAGGAGTCA
 CTGTATTGCGAGCACCAATCCAGAGCTGAGAAGACCTCGGTCTGAACCTCTAATTACTACAGCACTGA
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 AAGCTGCTCTGCACTGCACTGAGTCTGGAGCAGCCAAATATCAGGAAGCAGAGCCCTAGGTCTAAGCAGC
 CTTCCCCGAGACAATCAGCCCCAGTGAAGGAGTGAAGGAGTACAGCCGGGAAGCCGCCCTCCACTCC
 AGAGACTGCAGCATCCCAAGCGTCTGCATCTCAGCCTGTAGTAAAGTGGAGTGCCAAAGATCTTTACATT
 GGTGTGTCTACAGTACAGGTGACTGGAATCCGAAGGGGACCAGTGTAGTAAAGGACCGCGGCCTTCCAC
 AGGTGCCCCGAGGGAACCAATGAGCGTCTGATGTTGGCTAACAGAGAGGTGGTGAATACAGAGATGGG
 GGCTACCGGGATAGGACAGAGCAGGAGATTGCCCCAGCCATGGATGATATTCAGGTGAACATGATG
 ACCTTGGCGGAGCACATTATCGAGGCCACACCAGACCGAATCAAGCAGGAGAACCTTTGCCCCATGGAAT
 CCTCAGCCTTGGAAAGAACAGATCCAGCCACCATTAGCAGTACGATGAGCTGGCTGGCCAGTTACCTAGC
 CGATGCTGACCGTCTGCCAGTGTGCCACATCAGGAGTGCCTACTGAGCCCTGACGCCGCTTCTCT
 AATGCCAGCTTGAAGTCCCGCAGGCTCTCCAGTCACTGAGGTGGCTTTGAGAAAACCCAGCCTTCCCTCTG
 CGGCAGACTGGTCAAGTTCTGAGTGCCTCCACCAGTGAAGGTTGGAGTGAAGTGTGCTCAGCTCAC
 ACTGTCCGACCAGCAGAGAGAACTCTATGAAGCTGCCAGGCTTGTCCAGACAGCCTTCCGGAAGTAC
 AAGGGCAGACCCCTGCGGAACAGCAAGAAGTGGCTGCTGCCGTATCCAGCGCTTTACAGGAAGTACA
 AACAGCTGACATGGATAGCCTTGAAGTATGCACCTTACAAAAAGATGACCCAGGGCGCCATCCTTATCCA
 GAGCAAATCCGAAGTTACTATGAGCAGAAGCGGTTCCAGCAGAGCCGGCGGCTGCAGTGTGATCCAG
 AACTTCTACCGGAGTTACAAGAAGTGTGGCCGAGACGGCCGGCCGAGGACCGCTGTATCGTGCAGC
 AGAAGCTCAGGAGCAGTTTGTGACCAAAAAGCAGGACCAAGCTGCTCGAAAAGATAATGAGGTTTCTGCG
 TCGTGTGCGCACAGCCCCCTGGTGGACCATAGGCTGTACAAAAGGAGTGAAGAATTGAAAAGGCCAA
 GGAACTTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001081557

Insert Size: 5049 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:

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: [NM_001081557.3](#), [NP_001075026.1](#)

RefSeq Size: 8448 bp

RefSeq ORF: 5049 bp

Locus ID: 100072

UniProt ID: [A2A891](#)

Cytogenetics: 4 E2

Gene Summary: Transcriptional activator.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from 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.