

## Product datasheet for MC202650

### Camta2 (NM\_178116) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Camta2 (NM\_178116) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Camta2  
**Synonyms:** Kiaa0909-hp; mKIAA0909  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC049133 sequence for NM\_178116  
 GTTTGGGGTAGAATGGCCGCTGCCGCCGTACCCGCGGGACCCCGGGAGCACAGACTCCCCCTCCCCCG  
 GCCCTCAGGCCGGGGTGACCTGGCCCCCTGGAACCTTACCATGAATACCAAGGACACCACTGAGGTT  
 GCTGAGAATAGCCACCACCTGAAGATCTTCTCCCAAGAAATTGCTGGAGTGTCTTCTCGATGCCAC  
 TGGTCCCTCCAGAGCGGCTCCGATGGAATACAAATGAGGAGATTGCATCTACCTGATCACCTTTGAGAA  
 ACACGATGAGTGGCTGTCTGTGCCCAAGACAAGGCCTCAGAATGGCTCCATTATCCTTACAATCGT  
 AAGAAGGTGAAATACCGAAGGATGGTTACCTTTGGAAGAAACGGAAGGATGGGAAGACTACCCGAGAGG  
 ACCACATGAAACTCAAGGTCCAGGGCATGGAGCCTGTCTCCTGGCAGTGTCTCTATGGCTGCTACGTTCA  
 CTCTCCATCGTCCACATTCCACCGCGCTGCTATTGGCTGCTCCAGAACCCCGACATCGTCTTGTG  
 CACTACCTGAACGTCCCAGCCCTGGAGGATTGTGAAAGGGCTGTAGCCCATCTTTTGTCCATCAGTA  
 GCGACCGTCGAGAATGGCTGAAGTGGTCACGTGAGGAGCTCTGGGACAGCTGAAGCCCATGTTTATGG  
 CATCAAGTGGAGCTGTGGGAATGGGGCAGAGGAATTCTCCGTGGAACAGTTGGTGAACAGATCTTGGAC  
 ACCCACCAACCAAGCCAGCACCCAGAACTCATGCTTGTCTCTGCAAGTGGGGCCTTGGTTCCGGGAGCC  
 TTACCCACAAATGCAGTAGCACGAAACACCGCATCATCTCTCCAAAGTGGAGCCCGGAGCTTTAGCCCT  
 GGCTTCTATATCCCACTCCAAGCCCCCGAACCCCACTGATAGCTCCACTTCTCCAGAGCTCCCC  
 AAGGCACACACTCCCCATCTTCTCTCTTCTTCTCTCTCTCAGGATTTGCAGAACCCTAGAAA  
 TCAGGCCTAGCCCTCCTACCTCTCGAGGGGTTTCAAGAGGAGGCACTGCTATCTCTCCTAACAGG  
 ACTAGAGCAGCGCTGGGGCCTGACACCCACAGGCACTTGGTCCGAGGCTGAGCCTAGACCTCCT  
 GTGAGCTTGGCCGTGGTTGTAGGTTCTGAGCCTTCTGCCCCAGGCTCCTCCAGCCCTGCCTTTGACC  
 CTGATCGTTTTCTAACAGCCCCAAAGGGCCAGACATACGGAGGGGGCCAAGGAGTAAACCCAGACTT  
 CCCCAGGCGAGGGCACTCACACTCCCTGTCTGCCCCTGGAACCTGCAGCTGCCCTGGAGCCCCAGGCG  
 GCTGCTCGAGGTCTCGTCCACAGTTGGGAGCAAACGGGAGAAGAGGAAACAAATTTTATCCAAGATG  
 ATGATAGTGGGAGGAACTCAAGGGTCCGGGAACGGTGCCGCGGTACCTTCATCCCTCCTTCATCCCC  
 GTCCTCCCAACCGCCTTGGCCCATCAGGCGAGGCAACGAGAGGAGAAGCCTTGTTCGGAGGCTGTCT  
 GGCAGCAGCAGGCTCGAGCCCTTCACTTTTCGTATTCCCAGACCTCATGGGAGAACTCATCAGTG  
 ATGAAGCTCCAGGTGCTTCCCTGCCCCGCCCCAGCTCTCTCTGCGCTAAATGCCATCACAGACTTCTC  
 CCCAGAGTGGTCTACCCAGAGGGCGGGTCAAGGTGCTCATCACAGGCCCTTGACAGAGGCCGAGAG



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CATTATTCCTGTGTCTTCGATCACATCGCAGTCCAGCCTCCCTGGTCCAGCCTGGTGTCTTACGCTGCT  
 ACTGTCCTGCCCATGAGGTAGGGCTGGTGTCTTTGCAGGTGGCGGGGCGAGAGGGCCCCCTCTGCCTC  
 TGTGCTCTTTGAGTATCGAGCCCGCGTTCTGTCTCTGCCTAGTACACAGCTCGACTGGTTGTCACTG  
 GATGACAGCCAGTTCCGGATGTCATCCTGGAGCGGCTGGAGCAGATGGAGAAGCGGATGGCAGAGATTG  
 CGGCAGCTGGGCAGGCTCCTGGTCAGGGCCAGAGGCTCCTCAAATTCAGGATGAAGGCCAGGGCCCTGG  
 CTTTCGAGGCACGGGTGGTGGTCTTGGTAGAGAGCATGATCCCGCGGTCCACTTGGAGGGTCTGAACGG  
 CTGATCCATGGAAGTCCCTTCGGGGCATGAGCCTCCTACATCTGGCTGCTGCACAGGGCTACGCTCGGC  
 TCATCGAGACTCTGAGCCAGTGGAGGAGTGTGAAACAGGAAGCTTGGACTTAGAGCAAGAGGTTGACCC  
 GCTCAATGTGGACCAATTTCTCTTGCACCCTCTGATGTGGGCTGTGCTCTGGGACACTTAGAAGCTGCT  
 GTGCTTCTTTTCTGTTGGAACCGACAAGCACTGAGCATTCCGGACTCTCTGGGCCGACTCCCCCTGTCTG  
 TGGCTCATTCTCGTGGTACGTGCGCTTGCCCGCTGCCTTGAGGAACTGCAGAGACAGGAGCTTTCAGT  
 TGAGCACCCACTCGCTCTATCCCCACCATCCTTAGCCAGACTGGCCTGAGCAGCGCTCGTACCC  
 TCCGAGCTGTGAGTGGCACTTCTCTGTGACATCAGCCTACTCAAGTGGCCAGATGGCAGTCTCCCC  
 CTGCTCCTCCGCTGGCCTCTGACATTTCTATGGAGATGATCCAGGCCAGCTTTCTTGTGGTGCCCTGA  
 GACACCCTTACTCCTCATGGACTATGAAGCCACTAACTCAAAGAACCTGCTCCCTCCCCGTGGGCCCC  
 CCACTAGCCAGGACAATGGGGCTGCTCCAGAGGATGCTGACAGCCACCAGCTGTGGATGTGATCCCGG  
 TGGACATGATCTCACTGGCCAAGCAGATCATCGACGCCACACCAGAGCGGATTAACGAGAGGACTTCTC  
 AGAGTTCCCTGACGCTGGAGCCTCACCACGGGAGCACACAGGCACCGTGGGGCTCAGTGAGACCATGTCC  
 TGGCTGGCCAGTTACCTGGAGAAATGTGGATCAATTCGCCAGCTCAGCTCCTCCAGTGAGCTGCCCTTTG  
 AACGAGGTCGCCTCGCTATCCCCCTGCACCTTCTGGGCAGAGTTCTCTCTGCATCTACCAGTGGCAA  
 GATGGAAGTGATTTTGCCTGTGACTCTCTCAGATCACGAGCAGCGGGAGCTGTATGAGGCAGCACGA  
 GTCATCCAGACAGCTTTCCGAAAGTACAAGGTCGGAGGCTGAAGGAGCAGCAGGAGGTAGCCGACGCGG  
 TGATCCAACGTTGTTATCGGAAGTACAAGCAGCTGACCTGGATTGCACTTAAGTTTGCACCTATAAGAA  
 AATGACTCAGGCGCCATCCTGATTCAGAGCAAGTTCGGAAGCTACTATGAACAGAAGCGGTTTCAGCAG  
 AGCCGCCGAGCAGCGGTCTTATCCAGCAGCACTACCGCTCTACCGCCGAGGCGGGGCTCCTCACC  
 GGCCCTCAGGCCCTTCTGCTCGAAACAAGGGCACCTTTCTACCAAGAAGCAAGACCAGGCAGCCCG  
 GAAAATAATGAGGTTCTGCGGCCTGCCGACACAGAATGAGGGAATGAAGCAGAACCAGGAGCTGGAG  
 GGGCTGCCCCAGCAGGACTGGCCACCTGACCTCTCAAACGCCTTTCTTCAAACCCTGGGAGCCCTTC  
 TGGCTGTCTAAACAAGGAGAGGGCTTTCCGGACTAGGGGAGCCCCCTGTCGGCAGCTCTTACCCCTTCA  
 CCTTTTTGGGAGCCCTTCGTAGAACCCCGCCCCAGGCCTTACACGTTTCTCCCTTCTGGTTGTGCT  
 CCTTTTTGGTCTCCGGCTCCAGAAGACCCACGCCCCACATATCTGCATCTTCACTGTGACCTCCGGAG  
 CCCTGCCTGCACCTTCTCCATATCCCCGTTCTGCCTGCACCTGACTCGGACCTTCTGACTTGCCTTAT  
 TTATTTGTTTCGAGAGTCTCTGATGAATGTATCCGCTCGGTCCCCACCGTGCCTTTCGCTGCGCGGCC  
 TCGTGTTCAGGGGTGACTGCCCCACCTTACTCCGCATGTTTTCGCTGTGTTTCTCTCTTCTGGCCC  
 TGTCTTCCCCATACCCTGACTCTCTGGTCGCCACGTAGGGGCCAAAGAGGAGGGGGTGTACATAGGAT  
 CGCGAGGCGGAGTCCCGTCCCGTGGGGAGGGTGTGTACATAACTGTAACATACAGAGTATAGTGAAGA  
 ATCTATTTAAGGCGCTGCGCGCCGGCGTCTGATTCCCTGGCGCGGGGAGCCCCGGCTGGCTCCAC  
 GAGCACTTTCTACTTGTGCATGGGCTTGGTTTATACGAATTGCCATTAACGCTCTCTGCACCAAAAAA  
 AA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_178116
- Insert Size:** 3627 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).
- 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:** [BC049133](#), [AAH49133](#)

**RefSeq Size:** 4543 bp

**RefSeq ORF:** 3627 bp

**Locus ID:** 216874

**UniProt ID:** [Q80Y50](#)

**Cytogenetics:** 11 43.21 cM

**Gene Summary:** Transcription activator. May act as tumor suppressor (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).