

Product datasheet for **RN217093**

Ckap2 (NM_001169139) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ckap2 (NM_001169139) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ckap2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN217093 representing NM_001169139
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAGTCCAGGAAACGCTCCCTTGCCGGCCTGCGAGGAGTACCTTGCGGGTTCCTCGGGACCTGC
 AGCTGCCCCGACCAAGAGAGACCAGCCGGCCTTCAGAGAACAAGAAAAGAAAACTCAAGGAATATCT
 GTTAATACGAAAAACAACGTTTCCATACAAACAAGAGAATCAGATATCCAGAGATCAGAAAAATGGTGACA
 TCTGAGGATCAGGTCCAAGAAGGAAAAAAGTTGTGAAACTCAAAACAGAAGTGGCTGATAAAGAAAAATA
 TTGGAAGTATAGTTGAAAAAACTGCGTTCATTAAAGGCTGAAGAAGTAGCCAGCTCAGAAACGCACCA
 CCCAAAGGGTGTGTGCAAGCCGTGCAGCTGTTATCCACCGAGCGGATTTCCAGGTGACCCCGTGATG
 TTAGACCAGGCTGTGACCATAAAGACAGTGCAGGGACGCAAGTGACGGCAGAGAAGACGAAGCAAGACA
 CTAACATGTCTAAAAACGAGTGTGGCTATTATCACGGCCAGATTGTTCACTAAGATCAATTCATT
 CAGAAAGCTTCCAGTGTCAAAGACGAGAGTCTCGCAGCAACCAAGAACTCCCCACTACTGTGTCTAAA
 GCCAGGAAGGCTCACATTGAGCCTGGGAAGGCCGTGAGTGTGAGCCTCAAATACAGCTGCTGCCACCA
 GGTCTACAGACACTAACTCCGGGAGCGCCTTGTCCAAGAACACACTTGTGCGACCACCTATCCGAAGTCT
 CCACAGTAGAACCCACGGCGGGACCCTCGGTGCTGTGAAGCAAGGCCCTCGGCGGGACCCTTGACAGTGT
 ACAGTCAGAAAAGAGTCGCTTGAAGAGGAGTCACATCGACCAGAACCAGTGTGCTGTTGTCAAAAACCA
 GTTCTTCTCAGGACACAAAAAGAGGCAAGGCCCCACCAAGAAGCATAGCATGTAAGATGTAACCAGGAC
 TAACTCATCTAATGCCAGGCTGACAGGAAAGTCCAGAGATCCTGACCAGCGCAGATACACGATCGCAGGA
 GCGGCTGCTCTTAGATCAGCTCAGCCCAAAGATACCACAGCAGACAGGAAAGCTCAGATGACCGACTGGA
 GAACTGGCAAAGGGAAGGGGCTAAAAAGCCTCCTCATTAGAGGTCACCCAGGCTGAGCCCAAGAGACA
 AAACGAAAACGCAGTTGGGTCTTTTGGACCACCATGGCAGAAGAAGACGAGCAGAGATTATTCAGTGAA
 AAAGTAAACAAAACGATTTCTGAGTGCCTGAACCTCATTAAATAAGGGATGCCCAAAAAGAAATTTTAG
 CTACACTGAATGACCTGATTATAATATCCAGATGCCAAGAACTTGTAAATATTGGATATGCTTGT
 ACGTATTGAACCAATCACAAGTCTATTGAAAATATTATTTCAATCTACGAGAAGGCCATTCTGGCAGGG
 GCTCAGCCTATTGAAGAGATGCGACATAAATCATAGATATTCTAACACGAAGAATCAAGAAAAAGCCA
 ATTTGGGAGAAAAATTGAGGAGGCTCATGCAACCAAGGAACATATCCAAGAAGTAAATGTTGAAACTAA
 TCTCGGGTCAGGAAAACCAGAAGAGGAGAATGAACATCATAGAAAAGTTGAGTTTACGAAGACAATCAG
 GACAGCAAAAACAGAAGATCCAACCAATGATCTAACACCCAGACTCAAAAGCCGAGGCAGTTGCCTGA
 TTGATATAATGTATCTTCTACACCACGCTTGGAAAGTATGAAAAAGACGCAACATGATAAAAAATCCAC
 ATTTAAAGAGCTAAAGTTTCTGACACCCGTGAGACGTTTCGCGCCGATTCAAGAGAAGACTTTACGACTG
 CCAGACATGTTAAAAGACCATGACCCTTCCGTGCTTCCCTGGAGCAGTTGTGCGAGTTGGGAGGGGATG
 CTTTTGTTGCCGCCCTAATGCAGCCCTGTGCCCTCTGTTCTGTGAGACCGACGTCGTGGAGGAGGAATA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001169139

Insert Size: 2031 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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| 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_001169139.1, NP_001162610.1</u> |
| RefSeq Size: | 2549 bp |
| RefSeq ORF: | 2031 bp |
| Locus ID: | 306575 |
| Cytogenetics: | 16q12.5 |