

## Product datasheet for **SC319718**

### **CAP2 (NM\_006366) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CAP2 (NM_006366) Human Untagged Clone
Tag:	Tag Free
Symbol:	CAP2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006366.2  
 ATTGCCGAGGACGGGACCCAGGGCAGCGAAGCAGAATGGCCAACATGCAGGGACTGGTG  
 GAAAGACTGGAACGAGCTGTGAGCCGCCTGGAGTCGCTGTCTGCAGAGTCCCACAGGCC  
 CCTGGGAACTGCGGGGAAGTCAATGGTGTATTGCAGGTGGCCACCTCCGTGGAAGCC  
 TTTGACAAGCTGATGGACAGTATGGTGGCCGAGTTTTTAAAGAACAGTAGGATCCTTGCT  
 GGGGACGTGGAGACCCATGCAGAAATGGTGACAGTGTCTTCCAGGCCACGGGGCTTTC  
 CTTCTGATGGCCTCAGTACCAACAACCCACGAGAATGACGTGGCCGCACTTCTGAAA  
 CCCATATCGGAAAAGATTACAGGAAATCCAACTTTCAGAGAGAGAAACCGGGGAGTAAC  
 ATGTTTAAATCATCTTTCGGCCGTGAGCGAAAGCATCCCTGCCCTTGATGGATAGCTGTG  
 TCTCCAAACCTGGTCTTATGTCAAGGAGATGAATGACGCTGCCACCTTTTACACTAAC  
 AGGGTCTTAAAGGACTACAAACACAGTGATTTGCGTCATGTGGATTGGGTGAAGTCATAT  
 TTGAACATTTGGAGTGAACCTCAAGCATACATCAAGGAACACCACACCACGGGCCTCACA  
 TGGAGCAAACAGGTCTGTAGCATCCACAGTATCAGCGTTTTCTGTCTCTCTCTGGG  
 CCTGGCCTTCTCCACCCCTCCTCCTCTGCTCCTCCAGGGCCACTCCACTTTTCGAG  
 AATGAAGGCAAAAAGAGGAATCTTCTCCTTACGCTCAGCTTTATTTGCCAACTTAAC  
 CAGGGAGAAGCAATTACAAAAGGCTCCGCCATGTCACAGATGACCAGAAGACATACAAA  
 AATCCCAGCCTGCGGGCTCAAGGAGGGCAAACCTCAATCTCCCACAAAAGTCACACTCCA  
 AGTCCCACATCTCCTAAATCTTATCCTTCTCAAAAACATGCCCCAGTGTGGAGTTGGAA  
 GGAAAGAAATGGAGAGTGGAGTACCAAGAGGACAGGAATGACCTTGTGATTTAGAGACT  
 GAGCTGAAACAAGTGGCTTACATTTTCAAATGCGAAAAATCAACTATTCAGATAAAAGGG  
 AAAGTAACTCCATTATAATTGACAAGTGAAGAACTCGGCCTGGTGTGTTGACAATGTG  
 GTGGGCATTGTGGAAGTATCAACTCCAGGACATTCAAATCCAGGTAATGGGGAGAGTG  
 CCAACAATTTCCATTAATAAGACAGAAGTTGCCACATATACCTCAGTGAAGATGCATTA  
 GACTGTGAGATCGTGAGCGCAAGTCATCTGAAATGAACATACTTATCCCTCAGGATGGT  
 GATTATAGAGAATTTCCATTCTGAACAGTTCAGACAGCATGGGATGGATCCAAGTTA  
 ATCACTGAACCTGCAGAAATTATGGCCTAACTTCTGAGAGACCGAACCCCTCACCTGA  
 ATCCCCCTCTATCAAAACAAACAAAAAGCAGCAGTAAAGAGCTAGAAGTTGCAGTAGCC  
 CTACTGCTTTAGCTTTGGCCTCCAACGATTCTGTGCTATAGATACAGCACTGTTTCTGGC  
 ACGCCTCGTGGGCATTTGAAATATTTAACGTTTCTCATGATTTGCCTTTGTGTGTGAT  
 TTTAGTCCACATGATGACTTGTGAACATTAGGGATTTAAAGGAAAAAAAAAAAAAGAATT  
 CTGTTCCCTCATATCATGAACACAGTAACTGATAGGTAAGAACTGCATGATCACTT  
 TTACACTTATATTTCACTGCTAGTTAAAAAATAAACCTTTGAGAATCTAAGATGTACAT  
 TTTTACCTTTTAGGCAATTTCAATATAATGTAGAAGTAGTAGTGTGCCCTGAAAAATGTA  
 CACGTTTTTTCTTATTGTTACCACATGTTACCTTTATCAGCGTGGATACTGTCAGCATG  
 AGTACATATTTCAACCCACGCTTGTAAAAGACATAAGAGTTTATAAAGGACCAAAATTCAG  
 TTCCTTGGTCCTTGAAGACCTATATTCTGTAGTACTGAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_006366

**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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_006366.2](#), [NP\\_006357.1](#)

**RefSeq Size:** 3080 bp

**RefSeq ORF:** 1434 bp

**Locus ID:** 10486

**UniProt ID:** [P40123](#)

**Cytogenetics:** 6p22.3

**Domains:** CAP, CARP

**Gene Summary:** This gene was identified by its similarity to the gene for human adenylyl cyclase-associated protein. The function of the protein encoded by this gene is unknown. However, the protein appears to be able to interact with adenylyl cyclase-associated protein and actin. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform (1).