

## Product datasheet for **SC337054**

### CKAP2 (NM\_001286686) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP2 (NM_001286686) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKAP2
Synonyms:	LB1; se20-10; TMAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

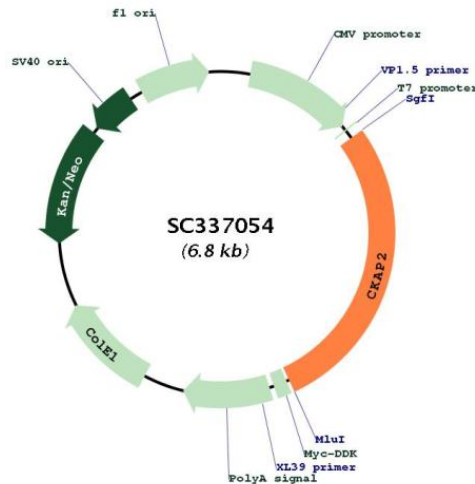


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Fully Sequenced ORF: >SC337054 representing NM\_001286686.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTTATCCAGTAGAGATCAGAGAGTTGTGACATCTGAGGACCAAGTTCAAGAAGGGACTAAAGTGCTG
AAACTTAAAAACAAAAATGGCTGATAAAGAAAAACATGAAGAGACCTGCAGAGAGCAAAAAATATACAGTG
GTGGGAAACATTGTATTCTTTTAAAACCTTCAAATGAACTAACCAATCAACTGTAGTAATTGACACA
CATAAACCTAAGGATAGTAATCAAACCTCCGCAATTTGTTACTAACTGAAGATGATCCCAAAGTCAACAT
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ACTATACCTAAAGCCACAAAACCTCAGCCTGTAAACACCAGCAGTGAACAGTGAAGTAAATAGATCC
TCCAATATGACTGCCACTACTAAATTTGTGAGCACTACATCTCAGAACACACAACCTGTGCGACCTCCT
ATTAGAAGTCATCACAGTAATACCCGGGACACTGTGAAACAAGGCATCAGTAGAAGTCTGCCAATGTT
ACAATCCGAAAGGGCCCTCATGAAAAAGAACTATTACAATCAAAAAACAGCTTTATCTAGTGTCAAAACC
AGTTCTTCTCAAGGTATAATAAGAAATAAGACTCTATCAAGATCCATAGCATCTGAAGTTATAGCCAGG
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CCTGCAGGACAAAATGAAAAACAGTTGGGTCTTTTGGACTACCATGGCAGAAGAAGATGAACAAAAGA
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ACCCCAATACAGAAACGAGGACAAGTTGCTTAATTAATAATGTGTCTACTACGCCATACTTGCAA
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GTGAGACGTTCTCGAGCTTCAAGAGAAAACCTCTAAATTGCCAGATATGTTAAAAGATCATTATCCT
TGTGTGCTTTCATTGGAACAGCTAACGGAGTTGGGAAGAGAAAACCTGATGCTTTTGTATGCCGCCCTAAT
GCAGCACTGTGCCGGGTGACTATGAGGCTGATACAACATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_001286686

**Insert Size:** 1905 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:** [NM\\_001286686.1](#)

**RefSeq Size:** 3677 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 26586

**UniProt ID:** [Q8WWK9](#)

**Cytogenetics:** 13q14.3

**Protein Families:** Druggable Genome

**MW:** 71.2 kDa

**Gene Summary:**

This gene encodes a cytoskeleton-associated protein that stabilizes microtubules and plays a role in the regulation of cell division. The encoded protein is itself regulated through phosphorylation at multiple serine and threonine residues. There is a pseudogene of this gene on chromosome 14. Alternative splicing results in multiple transcript variations. [provided by RefSeq, Nov 2013]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus than isoform 1.