

## Product datasheet for **SC336448**

### CKAP2 (NM\_001286687) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP2 (NM_001286687) 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)



[View online »](#)

**Fully Sequenced ORF:** >SC336448 representing NM\_001286687.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCACACCGGCCGTGCCCCAGGACCTGCAGCTGCCCCGAGTCAGAGGGCGCAGTCCGCATTCAAA
GAGCAAAGAAGACAAAACTCAAGGAACATCTGTTGAGAAGAAAAACGCTTTTTGCATACAAGCAGGAA
AATGAGATGTTATCCAGTAGAGATCAGAGAGTTGTGACATCTGAGGACCAAGTTCAGAAGGGACTAAA
GTGCTGAAACTTAAAAACAAAATGGCTGATAAAGAAAAACATGAAGAGACCTGCAGAGAGCAAAAATAAT
ACAGTGGTGGGAAACATTGTATTCCTTTAAAACCTTCAAATGAACTAACCAATCAACTGTAGTAATT
GACACACATAAACCTAAGGATAGTAATCAAACCTCCGCATTTGTTACTAACTGAAGATGATCCCAAAGT
CAACATATGACATTAAGCCAGGCATTTACCTTAAAAACAATAGTAAAAAGAAACAAATGACTACAGAA
AAACAAAAGCAAGATGCTAACATGCCCAAGAAACCTGTGCTTGGATCTTATCGTGGCCAGATTGTTGAG
TCTAAGATTAATTCATTTAGAAAACCTCTACAAGTCAAAGATGAGAGTTCTGCAGCAACAAAGAACTT
TCAGCCACTATACCTAAGCCACAAAACCTCAGCCTGTAACACCAGCAGTGTAAACAGTGAAGAAAT
AGATCCTCCAATATGACTGCCACTACTAAATTTGTGAGCACTACATCTCAGAACACACAACCTGTGCCG
CCTCCTATTAGAAGTCATCACAGTAATACCCGGGACACTGTGAAACAAGGCATCAGTAGAACTTCTGCC
AATGTTACAATCCGAAAGGGCCTCATGAAAAAGAACTATTACAATCAAAAAACAGCTTTATCTAGTGTC
AAAACAGTTCTTCTCAAGGTATAATAAGAAAATAAGACTCTATCAAGATCCATAGCATCTGAAGTTATA
GCCAGGCTGCTTCAATGTCTAATGATAAACTGATGAAAAGTCAGAGCCCGTTGACCAGCGAAGACAT
ACTGCAGGAAAAGCAATTGTTGATAGTAGATCAGCTCAGCCAAAGAAACCTCGGAAGAGAGAAAAGCT
CGTCTGAGTGAGTGGAAAGCTGGCAAAGGAAGAGTGCTAAAAAGGCCCCCTAATTCAGTAGTTACTCAG
CATGAGCCTGCAGGACAAAATGAAAACCAAGTTGGGTCTTTTTGGACTACCATGGCAGAAGAAGATGAA
CAAAGATTATTTACTGAAAAGTAAACAACACATTTTCTGAATGCCTGAACCTGATTAATGAGGGATGT
CCAAAAGAAGATATACTGGTCACACTGAATGACCTGATTAATAATTCAGATGCCAAAAGCTTGT
AAGTATTGGATATGTCTTGCACTTATTGAACCAATCACAAGTCTATTGAAAATATTATTGCAATCTAT
GAGAAAGCCATTCTGGCAGGGGCTCAGGTAAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001286687

**Insert Size:** 1485 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:	<a href="#">NM_001286687.1</a>
RefSeq Size:	2073 bp
RefSeq ORF:	1485 bp
Locus ID:	26586
UniProt ID:	<a href="#">Q8WWK9</a>
Cytogenetics:	13q14.3
Protein Families:	Druggable Genome
MW:	55.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4, also known as CKAP2-s) lacks multiple 3' coding exons and its 3' terminal exon extends past a splice site that is used in variant 1, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (4) has a distinct C-terminus and is shorter than isoform 1.</p>