

## Product datasheet for **SC316418**

### CKAP2 (NM\_001098525) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP2 (NM_001098525) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKAP2
Synonyms:	LB1; se20-10; TMAP
Vector:	<u>pCMV6 series</u>



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001098525, the custom clone sequence may differ by one or more nucleotides

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ATGAGCACACCGGCCGTGCCCCAGGACCTGCAGCTGCCCCGAGTCAGAGGGCGCAGTCC
GCATTCAAAGAGCAAAGAAGACAAAACTCAAGGAACATCTGTTGAGAAGAAAAACGCTT
TTTGCATACAAGCAGGAAAATGAGATGTTATCCAGTAGTAGAGATCAGAGAGTTGTGACA
TCTGAGGACCAAGTTCAAGAAGGGACTAAAGTGCTGAACTTAAAAACAAAAATGGCTGAT
AAAGAAAAATGAAGAGACCTGCAGAGAGCAAAAAATAATACAGTGGTGGGAAACATTGT
ATTCTTTTAAAACTTCAAATGAACTAACCAATTCAACTGTAGTAATTGACACACATAAA
CCTAAGGATAGTAATCAAACCTCCGCATTTGTTACTAACTGAAGATGATCCCCAAAGTCAA
CATATGACATTAAGCCAGGCATTTACCTTAAAAACAATAGTAAAAAGAAACAAATGACT
ACAGAAAAACAAAAGCAAGATGCTAACATGCCCAAGAAACCTGTGCTTGGATCTTATCGT
GGCCAGATTGTTCACTAAGATTAATTCATTTAGAAAACCTCTACAAGTCAAAGATGAG
AGTTCTGCAGCAACAAAGAACTTTCAGCCACTATACCTAAAGCCACAAAACCTCAGCCT
GTAACACCAGCAGTGTAACAGTAAAAAGTAATAGATCCTCCAATATGACTGCCACTACT
AAATTTGTGAGCACTACATCTCAGAACACACAACCTGTGGCACCCTATTAGAAGTCAT
CACAGTAATACCCGGGACACTGTGAAACAAGGCATCAGTAGAAGTCTGCCAATGTTACA
ATCCGGAAGGGCCTCATGAAAAAGAACTATTACAATCAAAAACAGCTTTATCTAGTGTC
AAAACAGTTCTTCTCAAGGTATAATAAGAAATAAGACTCTATCAAGATCCATAGCATCT
GAAGTTATAGCCAGGCCTGCTTCATTGTCTAATGATAAACTGATGGAAAAGTCAGAGCCC
GTTGACCAGCGAAGACATACTGCAGGAAAAGCAATTGTTGATAGTAGATCAGCTCAGCCC
AAAGAAACCTCGGAAGAGAGAAAAGCTCGTCTGAGTGAGTGGAAAAGCTGGCAAAGGAAGA
GTGCTAAAAAGCCCCCTAATTCAGTAGTTACTCAGCATGAGCCTGCAGGACAAAATGAA
AAACCAGTTGGGCTTTTTGGACTACCATGGCAGAAGAAGATGAACAAAGATTATTTACT
GAAAAAGTAAACAACACATTTTCTGAATGCCTGAACTTGATTAATGAGGGATGTCAAAA
GAAGATATACTGGTCACACTGAATGACCTGATTAAAAATATTCCAGATGCCAAAAAGCTT
GTTAAGTATTGGATATGTCTTGCCTTATTGAACCAATCAAGTCTATTGAAAAATATT
ATTGCAATCTATGAGAAAGCCATTCTGGCAGGGGCTCAGCCTATTGAAGAGATGCGACAC
ACGATTGTAGATATTCTAACAATGAAGAGTCAAGAAAAAGCTAATTTAGGAGAAAATATG
GAGAAGTCTTGTGCAAGCAAGGAAGAAGTCAAAGAAGTCAAGTATTGAAGATACAGGTGTT
GATGTAGATCCAGAAAACTGGAATGGAGAGTAACTTCATAGAAATTTGCTATTTCAA
GATTGTGAAAAAGAGCAAGACAACAAAACAAAAGATCCAACCCATGATGTTAAACCCCC
AATACAGAAACGAGGACAAGTTGCTTAATTAATAATAATGTGTCTACTACGCCATCTTG
CAAAGTGTGAAAAAAAAGGTGCAGTTTGTGGAACAAATTCGCCATTTAAAGAGCTGAAG
TTTTTAACACCAGTGAGACGTTCTCGACGCTTCAAGAGAAAACCTTCAAATTTGCCAGAT
ATGTTAAAGATCATTATCCTTGTGTCTTATTGGAACAGCTAACGGAGTTGGGAAGA
GAAACTGATGCTTTTGTATGCCGCCCTAATGCAGCACTGTCCGGGTGACTATGAGGCT
GATACAACA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_001098525
- 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001098525.1</a></u> , <u><a href="#">NP_001091995.1</a></u>
<b>RefSeq Size:</b>	3736 bp
<b>RefSeq ORF:</b>	2052 bp
<b>Locus ID:</b>	26586
<b>UniProt ID:</b>	<u><a href="#">Q8WWK9</a></u>
<b>Cytogenetics:</b>	13q14.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<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 (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (2) is longer than isoform 1.</p>