

Product datasheet for **SC113643**

CKAP2 (NM_018204) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP2 (NM_018204) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKAP2
Synonyms:	LB1; se20-10; TMAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018204, the custom clone sequence may differ by one or more nucleotides

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ATGAGCACACCGGCCGTGCCCCAGGACCTGCAGCTGCCCCGAGTCAGAGGGCGCAGTCCGCATTCAAAG
AGCAAAGAAGACAAAACTCAAGGAACATCTGTTGAGAAGAAAAACGCTTTTGCATACAAGCAGGAAAA
TGAGATGTTATCCAGTAGAGATCAGAGAGTTGTGACATCTGAGGACCAAGTTCAAGAAGGGACTAAAGTG
CTGAAACTTAAAACAAAATGGCTGATAAAGAAAACATGAAGAGACCTGCAGAGACAAAAATAATACAG
TGGTGGGGAACATTGTATTCTTTAAAACCTTCAAATGAACTAACCAATTCAACTGTAGTAATTGACAC
ACATAAACCTAAGGATAGTAATCAAACCTCCGATTGTTACTAACTGAAGATGATCCCCAAAGTCAACAT
ATGACATTAAGCCAGGCATTTACCTTAAAAACAATAGTAAAAAGAAAACAATGACTACAGAAAAACAAA
AGCAAGATGCTAACATGCCCAAGAAACCTGTGCTTGGATCTTATCGTGGCCAGATTGTTCAAGTCTAAGT
TAATTCATTTAGAAAACCTCTACAAGTCAAAGATGAGAGTTCTGCAGCAACAAAGAACTTTCAGCCACT
ATACCTAAAGCCACAAAACCTCAGCCTGTAACACCAGCAGTGTAAACAGTAAAAAGTAAATAGATCCTCCA
ATATGACTGCCACTACTAAATTTGTGAGCACTACATCTCAGAACACACAATTGTGCGACCTCCTATTAG
AAGTCATCACAGTAATACCCGGGACACTGTGAAACAAGGCATCAGTAGAAGTTCTGCCAATGTTACAATC
CGGAAAGGGCCTCATGAAAAAGAACTATTACAATCAAAAACAGCTTTATCTAGTGTCAAAACCAGTTCTT
CTCAAGGTATAATAAGAAATAAGACTCTATCAAGATCCATAGCATCTGAAGTTATAGCCAGGCCTGCTTC
ATTGTCTAATGATAAACTGATGGAAAAGTCAGAGCCCCTTGACCAGCGAAGACATACTGCAGGAAAAAGCA
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AAATGAAAAACCAAGTTGGGTCTTTTGGACTACCATGGCAGAAGAAGATGAACAAAGATTATTTACTGAA
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TCACACTGAATGACCTGATTAATAATATCCAGATGCCAAAAAGCTTGTTAAGTATTGGATATGTCTTGC
ACTTATTGAACCAATCACAAGTCTATTGAAAATATTATTGCAATCTATGAGAAAGCCATTCTGGCAGGG
GCTCAGCCTATTGAAGAGATGCGACACACGATTGTAGATATTCTAACAATGAAGAGTCAAGAAAAAGCTA
ATTTAGGAGAAAAATGGAGAAGTCTTGTGCAAGCAAGGAAGAAGTCAAAGAAGTCAAGTATTGAAGATAC
AGGTGTTGATGTAGATCCAGAAAACTGGAAATGGAGAGTAACTTCATAGAAATTTGCTATTTCAAGAT
TGTGAAAAAGAGCAAGACAACAAAACAAAAGATCCAACCCATGATGTTAAACCCCAATACAGAAACGA
GGACAAGTTGCTTAATTAATATAATGTGTCTACTACGCCATACTGCAAAGTGTAAAAAAAAGGTGCA
GTTTGATGGAACAAATCCGCATTTAAAGAGCTGAAGTTTTTAACACCAGTGAAGAGTTCTGCAGCTCTT
CAAGAGAAAACTTCTAAATTGCCAGATATGTTAAAAGATCATTATCCTTGTGTCTTATTGGAACAGC
TAACGGAGTTGGGAAGAGAACTGATGCTTTTGTATGCCGCCCTAATGCAGCACTGTGCCGGGTGACTA
TGAGGCTGATACAACATAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018204 unedited
 GGGTTAGATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGCCAGGCCT
 GCTTCATTGTCTAATGATAAACTGATGGGAAAAGTCAGAGCCCGTTGACCAGCGAAGACA
 TACTGCAGGAAAAGCAATTGTTGATAGTAGATCAGCTCAGCCAAAAGAAACCTCGGAAGA
 GAGAAAAGCTCGTCTGAGTGAGTGGAAAGCTGGCAAAGGAAGAGTGCTAAAAAGGCCCCC
 TAATTCAGTAGTTACTCAGCATGAGCCTGCAGGACAAAATGAAAAACCAGTTGGGTCTTT
 TTGGACTACCATGGCAGAAGAAGATGAACAAAGATTATTTACTGAAAAAGTAAACAACAC
 ATTTTCTGAATGCCTGAACTTGATTAATGAGGGATGTCCAAAAGAAGATATACTGGTCAC
 ACTGAATGACCTGATTAATAATATTCCAGATGCCAAAAGCTTGTTAAGTATTGGATATG
 TCTTGCACCTATTGAACCAATCACAAGTCTATTGAAAATATTATTGCAATCTATGAGAA
 AGCCATTCTGGCAGGGGCTCAGCCTATTGAAGAGATGCGACACACGATTGTAGATATTCT
 AACAAATGAAGAGTCAAGAAAAAGCTAATTTAGGAGAAAATATGGAGAAGTCTTGTGNCAG
 CAAGGAAGAAGTCAAAGAAGTCAGTATTGAAGATACAGGTGTTGATGTAGATCCAGAANA
 ACTGGGAATGGAGCAGTAACTTCATAGAAATTTGCTATTTCAAGATTGTGAAAAAGGCC
 AGACAACANAACAAAAGATCCAACCCATGATGTTAAAACCCCATACAGAAACGAGGGAC
 AGNTGCTTAATTAATAATGTGTCTACTACGCCATACTTGCAAAGTGTGAAAAAAGGT
 GCACGTTGATGGAACAAATCCGCATTTAAGAGCTGAGTTTAAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018204 unedited
 GGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTGTATCAAAGCTTAAATTTTATT
 TCAAAATGGCATATTTTGGTCAAAGTATGAAAAACAAGGCATAGTTATGTTTTTGT
 AAAGTAAAAAATTAGGTAAAGTTTATGTAAGTAGACTGATGACTTTTGAAAATATATC
 ATTAAGCATGTACTTAAGTGTCAAAAACCTCAAGTCAAATCTTACAATGTATTTCAAAG
 CAAAGCTAAAATTCATCACTGTGGTAAACTGCATTTCAAAAATATCTGTTGAAATAA
 ACTTCATTAACATAATTACACAGATATTTAATTGTATATATACAGGTACACGGAAAT
 AAAAGTCTACTCTCTAGAACATGAGAAGTCAATAAATAGAAAAGATATACAAAGTGAA
 TGAACATAAAAAATGACTAAGCATGTGATCTTCACATTCATACAGTTTTTCAACTAATCTT
 TTACAATTAAGAGTCATTTATTTGAACTGTAGAGTTGATATATGCCATATTAGTTTGG
 AACCTTACAAAACAACCTTAGTGGTGTATTTATGTGTGGAGAGAAAAGTGTGTATGTAA
 CAGTATTAGTATCAGTTATCTTAGAAATGCTATCTAAACTAGAATGACATTTGTTGAGTA
 TGATATGTTCTTTCCCTACCTCCATTCTAATTGCTTAAAAACTATCAAGTGAAGGTACAA
 AAGTTAAACCACTAAATGTGGCATCCTTTCTTTAAACAAGTATCTTCTTACAATGCGGAT
 TTCAATAAGTAACCTTCTGGTGACCCCTTTTATCCAACGAGCCCAACTCTGATTCCGC
 GAAAAGGGCGTGCCACCTTTTCTATCACCGGAGTCAGGGACCAGAACCCACCCGGTAAC
 TATTGCCCCAC

Restriction Sites:

NotI-NotI

ACCN:

NM_018204

Insert Size:

2620 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_018204.1](#), [NP_060674.1](#)

RefSeq Size: 3736 bp

RefSeq ORF: 1050 bp

Locus ID: 26586

UniProt ID: [Q8WWK9](#)

Cytogenetics: 13q14.3

Protein Families: Druggable Genome

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 (1) encodes isoform 1.