

Product datasheet for **SC119360**

CKAP1 (TBCB) (NM_001281) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP1 (TBCB) (NM_001281) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKAP1
Synonyms:	CG22; CKAP1; CKAPI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119360 sequence for NM_001281 edited (data generated by NextGen Sequencing)

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ATGGAGGTGACGGGGTGTGCGCACCCACGGTGACCGTTTTTCATCAGCAGCTCCCTCAAC
ACCTTCCGCTCCGAGAAGCGATACAGCCGAGCCTCACCATCGCTGAGTTCAAGTGTA
CTGGAGTTGCTGGTGGGAGCCCTGCTTCTGCGATGGAAGTGGAGCTGTATGGAGTTGAC
GACAAGTTCTACAGCAAGCTGGATCAAGAGGATGCGCTCCTGGGCTCCTACCCTGTAGT
GACGGCTGCCGCATCCACGTCATTGACCACAGTGGCGCCCGCCTTGGTGAGTATGAGGAC
GTGTCCCGGGTGGAGAAGTACACGATCTCACAAGAAGCCTACGACCAGAGGCAAGACAG
GTCCGCTCTTTCCTGAAGCGCAGCAAGCTCGGCCGGTACAACGAGGAGGAGCGGGCTCAG
CAGGAGGCCGAGGCCCGCCAGCGCCTGGCCGAGGAGAAGGCCAGGCCAGCTCCATCCCC
GTGGGCAGCCGCTGTGAGGTGCGGGCGGGGACAATCCCCTCGCCGGGGCACCGTCATG
TATGTAGGTCTCACAGATTTCAAGCCTGGCTACTGGATTGGTGTCCGCTATGATGAGCCA
CTGGGGAAAAATGATGGCAGTGTGAATGGGAAACGCTACTTCCAATGCCAGGCCAAGTAT
GGCGCCTTTGTCAAGCCAGCAGTCGTGACGGTGGGGGACTTCCCGGAGGAGGACTACGGG
TTGGACGAGATATGA
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Clone variation with respect to NM_001281.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001281 unedited</p> <pre>CGACTCACTATAGGCGGCCCGCAATCGGCACGAGGGGACGGCGCGATTGGCGGACGCT CCTGGCAGGAGAGCGCGGATTGGTCAGGCACGGAGCAGGAGGCGGGGCTGATAGCCCAGC AGCAGCAGCGGCGGGCGGGCTGCGGAGCGGGTGTGAGGCGGCTGGACCGCGCTGCAGGC ATCCGCAGGGCGGGCAAGATGGAGGTGACGGGGTGTCCGCACCCACGGTGACCGTTTT CATCAGCAGCTCCCTCAACACCTTCCGCTCCGAGAAGCGATACAGCCGCAGCCTACCAT CGCTGAGTTCAAGTGAACTGGAGTTGCTGGTGGCAGCCCTGCTTCTGCATGGAAC GGAGCTGTATGGAGTTGACGACAAGTTCTACAGCAAGCTGGATCAAGAGGATGCGTCCT GGGCTCCTACCCTGTAGATGACGGCTGCCGCATCCACGTCATTGACCACAGTGGCGCCC CCTTGGTGTAGTATGAGGACGTGTCCCGGTGGAGAAGTACACGATCTCACAAGAAGCCTA CGACCAGAGGCAAGACACGGTCCGCTCTTTCTGAAGCGCAGCAAGCTCGGCCGTACAA CGAGGAGGAGCGGGCTCAGCAGGAGGCCGAGGCCGCCAGCGCTGNCCGAGGAGAAAGC CCAGGCCAGCTCCATCCCGTGGCAGCCGCTGTGAGGTGCGGNCGGCGGACAATCCCC TCGCCGGGGCACCGTCATGTATGTAGGTCTCACAGATTTCAAGCCTGGCTACTGGNATGG GGTGTCCGCTATGATGAGCCACTGGGGAAAAAATGATGGCAGNTGTGAATGGGAAACGC TACTTNCGATGCCAGGCCAGNTATGGCGCTTTGTCAAGCAGCAGTCGTGACGGTGGGG GACTTCCGGNAGAGAACTACGGGTGACAAGTAAGACACTAAGGAATCCNTGTTNAGCTCT AACTACCCTGACTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001281 unedited</p> <pre>CCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTGGGTTTCTAGTGAATTTAATGCAT GAGTCTCAAAAAATCAATGGCAAAGGAAAAAATGAATAAAATTAATGGGGTCAGGAGAA AAGGGCCATGGGCACACACAGGAGGGGCAGTCAGTGGCTGAGCTAGGAGCTGAAGCAGGG GAATTCCTTAGGTGCATATCTCGTCCAACCCGTAGTCCTCCTCCGGGAAGTCCCCCACC GTCACGACTGCTGGCTTGACAAAGGCGCCATACTTGGCCTGGCATTGGAAGTAGCGTTTC CCATTCACACTGCCATCATTTTTCCCAGTGGCTCATCATAGCGGACACCAATCCAGTAG CCAGGCTTGAAATCTGTGAGACCTACATACATGACGGTGGCCCGGCGAGGGGATTGTCC GCCGCCGCACCTCACAGCGGCTGCCACGNGATGGAGCTGGCTGNGCCTTCTCCTCG GCCAGGCGCTGGGCGGCCTCGGCCTCCTGCTGAGCCCGCTCCTCCTCGTTGTACCGGCC AGCTTGCTGCGCTTCANGAAAGAGCGGACCGTGTCTTGCCTCTGGTGTAGGCTTCTTGT GAGATCGTGTACTTCTCCACCCGGGACACGTNCTATACTACCAAGGCGGGCGCCACTG TGGTCAATGACGNTGATCGNCAAGCCGTATCTACAGGGTAGGAGCCAGGAGCGCATNC TCTTGATCCAGCTTGCTGTAGAACTTGTGTCGTAACCTCCATACAGCTCCAGTTCCATGCAG GAAGCANGGGCTGCCACCAGCAACTCCAGTTTACACTTGACTCACGATGGTGAGGGCTGC GCTGTATCGTCTCGNAACGAAGGTGTTAGGGAAGTCTGATAAAACAGTCACGTGGGTG CGAAACCCGTCACTCATTTTGGCCGGCCTGGGATGCTGGACCGGTCCAACCGCTCACCCC GTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001281
Insert Size:	1170 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:	<ol style="list-style-type: none">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_001281.2 , NP_001272.2
RefSeq Size:	1475 bp
RefSeq ORF:	735 bp
Locus ID:	1155
UniProt ID:	Q99426
Cytogenetics:	19q13.12
Domains:	CAP_GLY
Gene Summary:	<p>Binds to alpha-tubulin folding intermediates after their interaction with cytosolic chaperonin in the pathway leading from newly synthesized tubulin to properly folded heterodimer (PubMed:9265649). Involved in regulation of tubulin heterodimer dissociation. May function as a negative regulator of axonal growth (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>