

Product datasheet for **SC334354**

CKAP1 (TBCB) (NM_001300971) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP1 (TBCB) (NM_001300971) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBCB
Synonyms:	CG22; CKAP1; CKAPI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300971, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGCTGGAGCTGTATGGAGTTGACGACAAGTTCTACAGCAAGCTGGATCAAGAGGATGCGCTCCTGG  
GCTCCTACCCTGTAGATGACGGCTGCCGCATCCACGTCATTGACCACAGTGGCGCCCGCCTTGGTGAGTA  
TGAGGACGTGTCCCGGTGGAGAAGTACACGATCTACAAGAAGCCTACGACCAGAGGCAAGACACGGTC  
CGCTCTTTCTGAAGCGCAGCAAGCTCGGCCGGTACAACGAGGAGGAGCGGGCTCAGCAGGAGGCCGAGG  
CCGCCAGCGCTGGCCGAGGAGAAGGCCAGGCCAGCTCCATCCCCGTGGGCAGCCGCTGTGAGGTGCG  
GGCGCGGGACAATCCCCTCGCCGGGGCACCGTCATGTATGTAGGTCTCACAGATTTCAAGCCTGGCTAC  
TGGATTGGTGTCCGCTATGATGAGCCACTGGGGAAAAATGATGGCAGTGTGAATGGGAAACGCTACTTCG  
AATGCCAGGCCAAGTATGGCGCCTTTGTCAAGCCAGCAGTCGTGACGGTGGGGGACTTCCCGAGGAGGA  
CTACGGTTGGACGAGATGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001300971
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).



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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_001300971.1](#), [NP_001287900.1](#)

RefSeq Size: 900 bp

RefSeq ORF: 582 bp

Locus ID: 1155

UniProt ID: [Q99426](#)

Cytogenetics: 19q13.12

Gene Summary: 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]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.