

## Product datasheet for **RG236460**

### **CKAP1 (TBCB) (NM\_001300971) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CKAP1 (TBCB) (NM\_001300971) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CKAP1  
**Synonyms:** CG22; CKAP1; CKAPI  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236460 representing NM\_001300971.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGCTGGAGCTGTATGGAGTTGACGACAAGTTCTACAGCAAGCTGGATCAAGAGGATGCGCTCCTG
GGCTCCTACCCTGTAGATGACGGCTGCCGATCCACGTCATTGACCACAGTGGCGCCCGCTTGGTGAG
TATGAGGACGTGTCCCGGTGGAGAAGTACACGATCTACAAGAAGCCTACGACCAGAGGCAAGACAGC
GTCCGCTCTTTCCTGAAGCGCAGCAAGCTCGGCCGTACAACGAGGAGGAGCGGGCTCAGCAGGAGGCC
GAGGCCGCCAGCGCCTGGCCGAGGAGAAGGCCAGGCCAGCTCCATCCCCGTGGGAGCCGCTGTGAG
GTGCGGGCGGGGACAATCCCCTCGCCGGGGCACCGTCATGTATGTAGGTCTCACAGATTTCAAGCCT
GGCTACTGGATTGGTGTCCGCTATGATGAGCCACTGGGGAAAAATGATGGCAGTGTGAATGGGAAACGC
TACTTCGAATGCCAGGCCAAGTATGGCGCCTTTGTCAAGCCAGCAGTCGTGACGGTGGGGGACTTCCC
GAGGAGGACTACGGGTTGGACGAGATA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236460  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MELELYGVDDKFYSKLDQEDALLGSYPVDDGCRIVHIDHSGARLGEYEDVSRVEKYTISQEAYDQRQDT
VRSFLKRSKLGRYNEEERAQQEAEAAQRLAEEKAQASSIPVGSRCVRAAGQSPRRGTMVYVGLTDFKP
GYWIGVRYDEPLGKNDGVSNGKRYFECQAKYGAFAVVPVTVGDFPEEDYGLDEI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

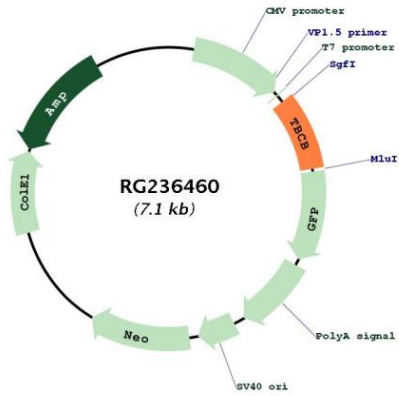
**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


- ACCN:** NM\_001300971
- ORF Size:** 579 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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).
- RefSeq:** [NM\\_001300971.3](#)
- RefSeq Size:** 900 bp
- RefSeq ORF:** 582 bp
- Locus ID:** 1155
- UniProt ID:** [Q99426](#)
- Cytogenetics:** 19q13.12
- MW:** 22.3 kDa
- 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]

Product images:



Circular map for RG236460