

## Product datasheet for **RG203700**

### **ADCK4 (COQ8B) (NM\_024876) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADCK4 (COQ8B) (NM_024876) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADCK4
Synonyms:	ADCK4; NPHS9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG203700 representing NM\_024876  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGCTGAAGGTGGGGGCTACTTCGGGGACCGGTGGACAGCTGGCCAGACTGTTGGTTGGCCTT  
 GTGGGGCCCTGGGGCCTGGGCCACCCTGGGGACCATGTGGAGTTCTTGGGCCAAAAAGTTTACCA  
 GGATGGGCCTGGGAGAGGCTGGGTGAGGAGGACATTCGAGGGCACGGGAGGCCGTCACAGGAAGACA  
 CCCCAGCCAGCTGAGTGACCGCTCTCGAGAACGAAGGTGCCTGCCATCAGCCGCTTGCCCA  
 ACTTTGGGGACTGGCTGTGGGCTGGGCTAGGAGTACTGGCCGAGATGGCTAAGAAGTCCATGCCAGG  
 AGGTGCTGTCAGTCAAGGGTGGTCTGGGCTGGACTCCAGCCCTTCTGTGCGAGGCCAATGCCGAG  
 CGGATTGTGCAGACCTTATGTACAGTTCGAGGGGCCCCCTCAAGTTGGCCAGATGCTCAGCATCCAGG  
 ACAACAGCTTCATCAGCCCTCAGCTGCAGCACATCTTTGAGCGGGTCCGCCAGAGCGCCGACTTCATGCC  
 CCGCTGCGAGATGCTGAGAGTTCTGAAGAGGAGCTCGGCAGGGACTGGCAGGCCAAGGTGGCCTCTTG  
 GAGGAGGTGCCCTTGGCGCTGCCTCAATTGGGCAGGTGCCAGGGCCTGCTGAGGACGGGACGGAGG  
 TGGCCGTGAAGATCCAGTACCCCGCATAGCCAGAGCATTAGAGCGATGTCCAGAACCTGCTGGCGGT  
 ACTCAAGATGAGCGCGGCCCTGCCCGGGGCTGTTTGGCCGAGCAGACCTGCAGGCCTTGACAGCAGGAG  
 CTGGCTTGGGAGTGTGACTACCGTGTGAGGCGGCTGTGCCAGAAATTCAGGCAGCTGCTGGCAAATG  
 ACCCTTCTTCCGGTCCCAGCCGTGGTAAAGGAGCTGTGCACGACACGGGTGCTGGGCATGGAGCTGGC  
 TGGAGGGTCCCCTGGACCACTGCCAGGGCCTAAGCCAGGACCTGCCGAACAGATTTGCTTCCAGCTC  
 CTGACGCTGTGTGCGGGAGCTGTTGAGTTCGATTCAGACTGACCCAACTGGGCCAACTTCC  
 TGTATGATGCCCCAGCCAGGTCACCTGCTGGACTTGGTGCAAGCCGGGAGTTTGGGACAGAGTT  
 CACAGACCATTACATCGAGGTGGTGAAGGCTGCAGCTGATGGAGACAGAGACTGTGTCTGCAGAAGTCC  
 AGGGACCTCAAATTCCTCACAGGCTTGAACCAAGGCATTCTCCGACGCCACGTGGAGGCAGTATGA  
 TCCTGGGGGAGCCTTTCGCCACCCAGGGCCCTTACGACTTGGGTGGGGGAAACGGCCCGCCGATACA  
 GGACCTCATCCCGGTGCTGCTGCGGCACCGGCTGTGTCCCCACCCGAGGAGACCTATGCCCTGCACCGC  
 AAGCTGGCAGGGGCTTCTGGCCTGTGCCACCTCCGAGCCACATCGCTGCAGGGACCTTCCAGG  
 ACACCTACCACCCTACTGGCCAGTCGCCAGCCAGCAGCCACTGCCGCGAGCTCCCAACAAAGG  
 GGACTCTGGGTGGATCCCTCA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG203700 representing NM\_024876  
 Red=Cloning site Green=Tags(s)

MWLKVGLLRGTGGQLGQTVGWPCGALGPGPHRWGPCGGSWAQKFYQDGPGRGLGEEDIRRAREARPKT  
 PRPQLSDRSRERKVPASRISRLANFGGLAVGLGLVLAEMAKKSMPPGRLQSEGGSLDSSPFLSEANAE  
 RIVQTLCTVRGAALKVQMLSIQDNSFISPQLQHIFERVRQSADFMPRWQMLRVLEELGRDWQAKVASL  
 EEVPFAAASIGVHQGLLRDGEVAVKIQYPIAQSIQSDVQNLAVLKMMSAALPAGLFAEQSLQALQQE  
 LAWECDYRREAACAQNFRLANDPFRVPAVVKELCTTRVLMELAGGVPLDQCQGLSQDLRNQICFQL  
 LTLCLRELFEFRFMQTDPNWNANFLYDASSHQVTLDFGASREFGTEFTDHYIEVVKAAADGDRDCVLQKS  
 RDLKFLTGFETKAFSDAHVEAVMILGEPFATQGPYDFGSGETARRIQDLIPVLLRHRLCPPPEETVALHR  
 KLAGAFLACAHLRAHIACRDLFQDITYHRYWASRQPDAAAGSLPTKGDSWVDPS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_024876

**ORF Size:** 1632 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).

**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\\_024876.2](#), [NP\\_079152.3](#)

**RefSeq Size:** 2268 bp

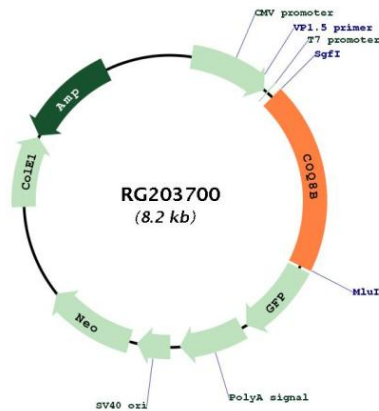
**RefSeq ORF:** 1635 bp

**Locus ID:** 79934

**UniProt ID:** [Q96D53](#)

**Cytogenetics:** 19q13.2  
**Domains:** ABC1  
**Protein Families:** Druggable Genome, Protein Kinase  
**Gene Summary:** This gene encodes a protein with two copies of a domain found in protein kinases. The encoded protein has a complete protein kinase catalytic domain, and a truncated domain that contains only the active and binding sites of the protein kinase domain, however, it is not known whether the protein has any kinase activity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

**Product images:**



Circular map for RG203700