

## Product datasheet for **RG220159**

### **ADCK2 (NM\_052853) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADCK2 (NM_052853) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADCK2
Synonyms:	AARF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG220159 representing NM\_052853  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTGGCGCCCTGGCGCTCTCCGTCAGGGTTTGCCTGTCGCACCTGAGGTGCTTCGAGCTCAGACAGG  
 GACTCAGCCTCCTGAGGCCCTCCGAGTGCCTCGCGATGCCAGGCTCTGCTGGCTTCTGCTGGGCACCTT  
 GCCCAAGGTCGTCTCCCTGTGCGGGGACGTGGGTGAGGGGGCCCTGACGTTCTGAGTCGGCGAAGGGTC  
 CGCTGCAGCGGGGCGGCTGGCGGGGGCCCGGGAGAGCCTCCCCGAGCGGGACCTCTGGCGCGCTCT  
 TCCTGCATCTCCGCTCTGGCTTCGCGCCGGCGCTCTGTTGGTAAATCTTCCCCTCTACTCTCTA  
 CCCCCTCACCTACCTGGTCCCAGCGTCTCCACCCTCTGGCTCCACCTGCTTCTGAAAGCCACCGAGACC  
 TCAGGCCAACCTACATCAAACCTGGCCAGTGGCCAGCACCCGGCGGATCTGTTTTCGGAGGCTTTCT  
 GTGCCAATTTTCAAGCTGCATGTCGAGTGACCCCCACCCGTGGACTCACACTGAGCGCTTCTTTCG  
 GCAGGCTTTTGGGATGACTGGGGGAGCATCTCTCTTTTGAACCGGGAACCTGTGGGCTCAGGCTGC  
 GTGGCCCAAGTGTACAAAGCATACGCCAACACTGCCTTCTGGAGACTGACAGCCTCCAGAGACTTGGCA  
 GGGCTCTGTCTGCCGCCCTTCTCACATACTGGGCGAGTCGGTGGGCTGAGAGAGCTCTTTGGATACCT  
 TGGAAATGGCCGAAACCTCCAGAAAATCTCGCAGACCAGTCTGTTCTAGAAAGGCTGCTCTCCCTAAA  
 GCTGACCTGGTTGGATCAAATGCAGGGGTGCTCGGGCTCAGGTCCTGGCCACCAACCTGAGGCCACCA  
 ACCTCATCTCCGTGGCAGTGAAGTGTTCACCCTGGCTGCTCGCTCAGGTGCATATGGACCTGCTGCT  
 GATGAAGATTGGCAGCCGAGTCTGGGAGTTTGGCAGGCATCAAGTGGCTTAGCTTGCCTGAGATTGTG  
 GAGGAATTTGAGAAGCTGATGGTCCAACAGATTGACCTGCGTTACGAAGCTCAGAATCTAGAACACTTCC  
 AGTCAACTTCCGGAATGTGAAAGCCGTCAAGTCCCCACCCCTCTGCGCCCTTTGTACCAGAGAAGT  
 CTTGGTGGAAACGTATGAAGAGAGTGTGCTGTGTCAGTTACCAGCAGGCAGGAATCCCGTGGACTTG  
 AAAAGGAAGATTGCACGGCTGGGATCAACATGCTCCTGAAGATGATATTTGTTGATAAATTTGTCCATG  
 CAGACCTTCAACCTGAAACATCCTGGTTCAGGGTGCCAACGGCCTGCTCCTCGAGTCAGGAGGCGCAGCT  
 GCAGCAGGCGGACATCTGTGACTCTGGTGGTGGCCGTGCCATCTTCCCTCTGCCCGCTGCGACTGGT  
 CTGCTGGATGCTGGCATTGTGGCGGAGCTGCAGGCCCTGACCTGAGGAATTTCCGGCAGTTTTTCATGG  
 CTGTTGGTATGGGCGAGGCCAGAGAGTGGCTGAGCTGATCCTGCATCATGCCGGGCCAGCGAGTGCAG  
 GGACGTGGAGGGTTCAAACCGAGATGGCCATGCTGGTACCAGGCCAGGAAGAACACCATCACCTG  
 GAGAAGCTTCATGTGTCCAGCCTTCTCTAGTGTCTTAAAGTTGCTGATGACTACAAGTAAAGCTTG  
 AGAGCAACTTTGCTCCATTGTGTTGGCCATCATGGTGTGGAGGGGCTTGGCCGCTCACTGACCCCAA  
 ACTGGACATCCTGGAGGCAGCGAGGCCCTTCTCCTCACGGGCCAGTGTGCCCCCG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG220159 representing NM\_052853  
 Red=Cloning site Green=Tags(s)

MVAPWRVSVRVCLSHLRCELFRQGLSLLRPSECPDRARLCWLLLGTLPKVVSLCGDVGEGAPDVLRRRV  
 RCGAAGAGPAESLPRAGPLGGVFLHLRLWLRAGALLVKFFPLLLYPLTYLAPSVESTLWLHLLKATET  
 SGPTYIKLGQWASTRRDLFSEAFCAQFSKLHVRVTPHPWHTERFLRQAFGDDWGSILSFENREPVGSGC  
 VAQVYKAYANTAFLETDSVQRLGRASCLPPFSHTGAVGGLRELFYLGNGRKPENLADQSFLERLLLPK  
 ADLVGSNAGVSRQVPGHQPEATNLISVAVKVLHPGLLAQVHMDLLLMKIGSRVGLVLPGIKWLSPKIV  
 EEFKLMVQQIDLRYEANLEHFQVNFVNVKAVKFTPLRPFVTRVETVETYEESVPVSSYQQAGIPVDL  
 KRKIARLGINMLLKMIFFVDFVHADLHPGNILVQGANLSSSQEAQLQQADICDILVVAVPSSLCPLRLV  
 LLDAGIVAEIQAPDLRNFRAVFMVVMGQQRVAELILHHARASECRDVEGFKTEMAMLVQARKNTITL  
 EKLHVSSLLSSVFKLLMTHKVKLESNFASIVFAIMVLEGLGRSLDPKLDILEAARPFLLTGPVCP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_052853

**ORF Size:** 1878 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\\_052853.4](#)

**RefSeq Size:** 2376 bp

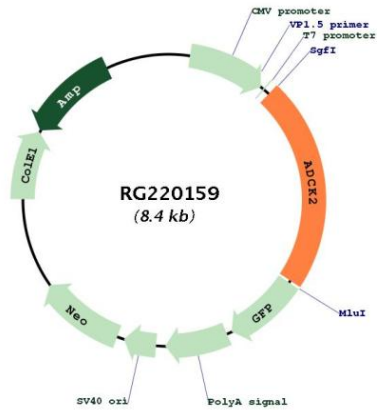
**RefSeq ORF:** 1881 bp

**Locus ID:** 90956

**UniProt ID:** [Q7Z695](#)

**Cytogenetics:** 7q34  
**Domains:** ABC1  
**Protein Families:** Druggable Genome, Protein Kinase  
**Gene Summary:** The function of this protein is not yet clear. It is not known if it has protein kinase activity and what type of substrate it would phosphorylate (Ser, Thr or Tyr).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG220159