

Product datasheet for **RC208924**

ADCK1 (NM_020421) Human Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ADCK1 (NM_020421) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ADCK1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC208924 representing NM_020421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCAGAAAGGCTCTCAAGCTTGCTTCGTGGACCAGCATGGCTCTTGCTGCCTCTGGCATCTACTTCT
 ACAGTAACAAGTACTTGGACCCTAATGACTTTGGCGCTGTCAGGGTGGGCAGAGCAGTTGCTACGACGGC
 TGTTCATCAGTTACGACTACCTCACTTCCCTGAAGAGTGTCCCTTATGGCTCAGAGGAGTACTTGCAGCTG
 AGATCTAAGGTGCACCTTCGCTCTGCCAGGCGTCTCTGTGAGCTCTGCTGTGCCAACCGGGGCACCTTCA
 TCAAGGTGGGCCAGCACCTGGGGCTCTGGACTACCTGTTGCCAGAGGAGTACACCAGCACGCTGAAGGT
 ACTGCACAGCCAGGCTCCACAGAGCAGCATGCAAGAGATCCGCCAGGTATCCGAGAAGATCTGGCAAG
 GAGATCCATGATTTGTTCCAGAGCTTCGATGACACCCCTCTGGGACGGCCTCCCTGGCCAGGTCCACA
 AGGCAGTCTGCATGATGGGCGGACGGTGGCCGTGAAGGTCCAGCACCCAAAGGTGCGGGCTCAGAGCTC
 GAAGGACATTCTCTGATGGAGGTCTCGTTCTGGCTGTGAAGCAGCTGTTCCAGAGTTTGAGTTTATG
 TGGCTTGTGGATGAAGCCAAGAAGAACCTGCCTTTGGAGCTGGATTTCCCTCAATGAAGGGAGGAATGCTG
 AGAAGGTGTCCCAGATGCTCAGGCAATTTGACTTCTTGAAGGTCCCCGAATCCACTGGGACCTGTCCAC
 GGAGCGGGTCTCCTGATGGAGTTTGTGGATGGCGGCAGGTCAATGACAGAGACTACATGGAGAGGAAC
 AAGATCGACGTCAATGAGATCTCACGCCACCTGGCAAGATGTATAGTGAGATGATCTTCGTCAATGGCT
 TCGTGCCTGCGATCCCCACCCCGCAATGTACTGGTGCAGGAAAGCACCCCGCACGGAAAGCGGGAGAT
 TGTCTCTGATCTGGACTGACATGAAGAGAGTGAAGGAGTACAGCCAGCGACTGGGAGCCGGGATCTCT
 ACCCTTGTGCTGCTGCTGACGGCGCGATCGTGGACTCGGTCAACAGAGGCATCAGCCAAGCTCC
 CGTCACTGCCACTGAGGACTTAGAGATTGCAACAACGCGGCCAACTACCTCCCCAGATCAGCCATCTC
 CTAACACAGTGCAGCGCCAGATGCTGCTCATCTTGAAGACCAACGACCTGCTGCGTGGCATTGAGGCCG
 CCCTGGGCACCCGCGCCAGCGCCAGCTCCTTTCTCAACATGTCACGTTGCTGCATCAGAGCGCTAGCTGA
 GCACAAGAAGAAGAACTCTGTTTCTTCTCAGAAGGACCCAGATCTCTTTCAGCGAGGCCTTCAACTTA
 TGGCAGATCAACCTCCATGAGCTCATCTGCGTGTGAAGGGTTGAAGCTGGCTGACCGGGTCTTGCC
 TAATATGCTGGCTGTTCCCTGCTCCACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208924 representing NM_020421
 Red=Cloning site Green=Tags(s)

MARKALKLASWTSMALAASGIYFYSNKYLDPNDFGAVRVGRAVATTAVISYDYL TSLKSVPYGSEEYLQL
 RSKVHLRSARRLCELCCANRGTFIKVGQHLGALDYLLPEEYTLKVLHSQAPQSSMQEIRQVIREDLGK
 EIHDLFQSFDDTPLGTASLAQVHKAVLHDGRTVAVKVQHPKVRAQSSKDILLMEVLVLAVKQLFPEFEFM
 WLVDKAKNLPLEDFLNEGRNAEKVSQMLRHFDFLKVPRIHWDLSTERVLLMEFVDGGQVNDRDYMER
 N KIDVNEISRHLGKMYSEMIFVNGFVHCDPHPGNVLVRKHPGTGKAEIVLLDHGLYQMLTEEFRLNYCHLW
 QSLIWTDMKRKEYSQRLGAGDLYPLFACMLTARSWDSVNRGISQAPVTATEDLEIRNNAANYLPQISHL
 LNHVPRQMLLILKTNDLLRGIEAALGTRASASSFLNMSRCCIRALAEHKKKNTCSFFRRTQISFSEAFNL
 WQINLHELILRVKGLKLADRVLALICWLFAPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020421

ORF Size: 1569 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

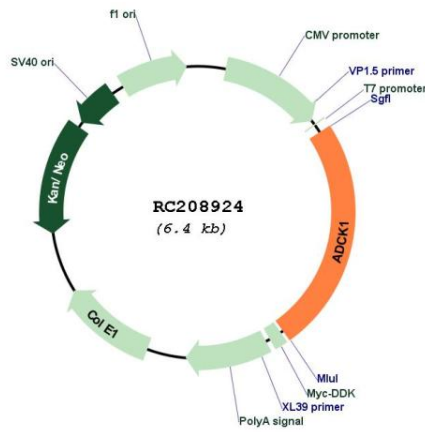
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

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|-------------------|--|
| RefSeq: | <u>NM_020421.4</u> |
| RefSeq Size: | 2249 bp |
| RefSeq ORF: | 1572 bp |
| Locus ID: | 57143 |
| UniProt ID: | <u>Q86TW2</u> |
| Cytogenetics: | 14q24.3 |
| Domains: | ABC1 |
| Protein Families: | Druggable Genome, Protein Kinase, Secreted Protein |
| MW: | 59.7 kDa |
| 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 RC208924