

Product datasheet for **RC227044**

ADCK1 (NM_001142545) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADCK1 (NM_001142545) 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:

>RC227044 representing NM_001142545
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAGAAAGGCTCTCAAGCTTGCTTCGTGGACCAGCATGGCTCTTGCTGCCTCTGGCATCTACTTCT
 ACAGTAACAAGTACTTGGACCTAATGACTTTGGCGCTGTGAGGTGGGAGAGCAGTTGCTACGACGGC
 TGTTCATCAGTTACGACTACCTCACTTCCCTGAAGAGTGTCCCTTATGGCTCAGAGGAGTACTTGCAGCTG
 AGATCTAAGATCCATGATTTGTTCCAGAGCTTCGATGACACCCCTCTGGGGACGGCCTCCCTGGCCAGG
 TCCACAAGGCAGTGTGCATGATGGGGGACGGTGGCCGTGAAGGTCCAGCACCCAAAGGTGCGGGCTCA
 GAGCTCGAAGGACATTCTCTGATGGAGGTGCTCGTTCGGCTGTGAAGCAGCTGTTCCAGAGTTTGAG
 TTTATGTGGCTTGTGGATGAAGCCAAGAAGAACCTGCCTTTGGAGCTGGATTTCCCTAATGAAGGGAGGA
 ATGCTGAGAAGGTGTCCAGATGCTCAGGCATTTTGACTTCTTGAAGTCCCGGAATCCACTGGGACCT
 GTCCACGGAGCGGTCTCCTGATGGAGTTTGTGGATGGCGGGCAGGTCAATGACAGAGACTACATGGAG
 AGGAACAAGATCGACGTCATGAGATCTCACGCCACCTGGGAAGATGTATAGTGAGATGATCTTCGTCA
 ATGGCTTCGTGCACTGCGATCCCAACCCCGCAATGACTGGTGCAGCAAGCACCCCGGCACGGGAAAGGC
 GGAGATTGCTCTGTTGGACCATGGGCTTACCAGATGCTCACGGAAGAATCCGCCTGAATTACTGCCAC
 CTCTGGCAGTCTCTGATCTGGACTGACATGAAGAGAGTGAAGGAGTACAGCCAGCGACTGGGAGCCGGGG
 ATCTCTACCCCTGTTTGCCTGCATGCTGACGGCGCGATCGTGGGACTCGGTCAACAGAGGCATCAGCCA
 AGCTCCCGTCACTGCCACTGAGGACTTAGAGATTTCGAACAACCGGCCAACTACCTCCCCAGATCAGC
 CATCTCTCAACCAGTGCAGCGCCAGATGCTGCTCATCTTGAAGACCAACGACCTGCTGCGTGGCATTG
 AGGCCCGCCTGGCACCCGCGCCAGCGCCAGCTCCTTTCTCAACATGTCACGTTGCTGCATCAGAGCGCT
 AGCTGAGCACAAGAAGAAGAATACTGTTCACTTTCAGAAGGAGCCAGATCTCTTTCAGCGAGGCCCTTC
 AACTTATGGCAGATCAACCTCCATGAGCTCATCTGCGTGTGAAGGGTTGAAGCTGGCTGACCGGGTCT
 TGGCCCTAATATGCTGGCTGTTCCCTGCTCCACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227044 representing NM_001142545
 Red=Cloning site Green=Tags(s)

MARKALKLASWTSMALAASGIYFYSNKYLDPNDFGAVRVGRAVATTAVISYDYL TSLKSVPYGSEEYLQL
 RSKIHDLFQSFDDTPLGTASLAQVHKAVLHDGRTVAVKVQHPKVRAQSSKDILLMEVLVLAVKQLFPEFE
 FMWLVDKAKNLPLELDFLNEGRNAEKVSQMLRHFDFLKVPRIHWDLSTERVLLMEFVDDGGQVNDRDYME
 RNKIDVNEISRHLGKMYSEMI FVNGFVHCDPHPGNVLVRKHPGTGKAEIVLLDHGLYQMLTEEFRLNYCH
 LWQSLIWTDMKRVKEYSQRLGAGDLYPLFACMLTARSWDSVNRGISQAPVTATEDLEIRNNAANYLPQIS
 HLLNHVPRQMLLILKTNDLLRGIEAALGTRASASSFLNMSRCCIRALAEHKKKNTCSFFRRTQISFSEAF
 NLWQINLHELILRVKGLKLADRVLALICWLFAPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8006_f02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001142545

ORF Size: 1365 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_001142545.2](#)

RefSeq ORF: 1368 bp

Locus ID: 57143

UniProt ID: [Q86TW2](#)

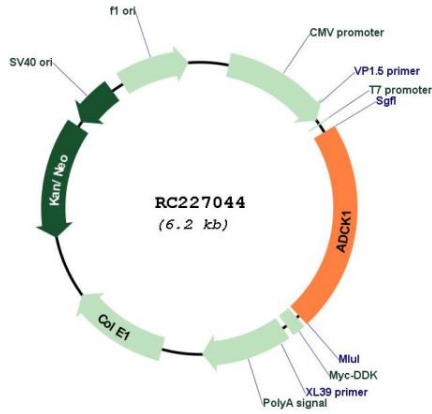
Cytogenetics: 14q24.3

Protein Families: Druggable Genome, Protein Kinase, Secreted Protein

MW: 51.8 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 RC227044