

Product datasheet for **RG227044**

ADCK1 (NM_001142545) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: ADCK1 (NM_001142545) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: ADCK1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG227044 representing NM_001142545
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGAAAGGCTCTCAAGCTTGCTTCGTGGACCAGCATGGCTCTTGCTGCCTCTGGCATCTACTTCT
 ACAGTAACAAGTACTTGGACCCTAATGACTTTGGCGCTGTGAGGTGGGAGAGCAGTTGCTACGACGGC
 TGTCATCAGTTACGACTACCTCACTTCCCTGAAGAGTGTCCCTTATGGCTCAGAGGAGTACTTGCAGCTG
 AGATCTAAGATCCATGATTTGTTCCAGAGCTTCGATGACACCCCTCTGGGACGGCCTCCCTGGCCAGG
 TCCACAAGGCAGTGTGCATGATGGGCGGACGGTGGCCGTGAAGGTCCAGCACCCAAAGGTGCGGGCTCA
 GAGCTCGAAGGACATTCTCCTGATGGAGGTGCTGTTCTGGCTGTGAAGCAGCTGTTCCAGAGTTTGAG
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 ATGCTGAGAAGGTGTCCAGATGCTCAGGCATTTTGACTTCTTGAAGGTCCCCGAATCCACTGGGACCT
 GTCCACGGAGCGGGTCTCCTGATGGAGTTTGTGGATGGCGGCAGGTCAATGACAGAGACTACATGGAG
 AGGAACAAGATCGACGTCAATGAGATCTCACGCCACCTGGGCAAGATGTATAGTGAGATGATCTTCGTC
 ATGGCTTCGTGCACTGCGATCCCCACCCGGCAATGTACTGGTGCAGGACCCCGGCACGGGAAAGGC
 GGAGATTGCTGTTGGACCATGGGCTTACCAGATGCTCACGGAAGAATCCGCCTGAATTACTGCCAC
 CTCTGGCAGTCTCTGATCTGGACTGACATGAAGAGAGTGAAGGAGTACAGCCAGGACTGGGAGCCGGGG
 ATCTCTACCCCTTGTTCCTGATGCTGACGGCGGATCGTGGGACTCGGTCAACAGAGGCATCAGCCA
 AGCTCCCGTCACTGCCACTGAGGACTTAGAGATTGCGAACAACGCGGCCAACTACCTCCCCAGATCAGC
 CATCTCTCAACCACGTGCCCGCCAGATGCTGCTCATCTTGAAGACCAACGACCTGCTGCGTGGCATTG
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 AGCTGAGCACAAGAAGAAGAATACCTGTTCACTTCTCAGAAGGACCCAGATCTCTTTACGCGAGGCCTTC
 AACTTATGGCAGATCAACCTCCATGAGCTCATCTGCTGTGAAGGGTTGAAGTGGCTGACCGGGTCT
 TGGCCCTAATATGCTGGCTGTTCCCTGCTCCACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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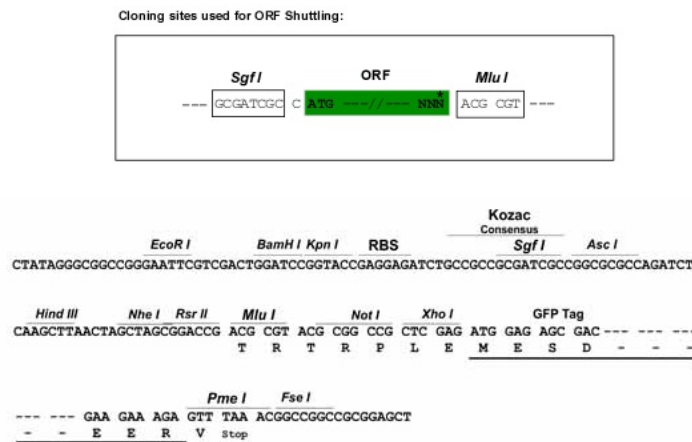
Protein Sequence: >RG227044 representing NM_001142545
Red=Cloning site Green=Tags(s)

MARKALKLASWTSMLAASGIYFYSNKYLDPNDFGAVRVGRAVATTAVISYDYL TSLKSVPYGSEEYLQL
 RSKIHDLFQSFDDTPLGTASLAQVHKAVLHDGRTVAVKVQHPKVRAQSSKDILLMEVLVLAVKQLFPEFE
 FMWL VDEAKKNLPLELDFLNEGRNAEKVSQMLRHFDLKVPRIHWDLSTERVLLMEFVDGGQVNDRDYME
 RNKIDVNEISRHLGKMYSEMI FVNGFVHCDPHPGNVLVRKHPGTGKAEIVLLDHGLYQML TEEFRLNYCH
 LWQSLIWTDMKRVKEYSQRLGAGDLYPLFACMLTARSWDSVNRGISQAPVTATEDLEIRNNAANYLPQIS
 HLLNHVPRQMLLILKTNDLLRGIEAALGTRASASSFLNMSRCCIRALAEHKKKNTCSFFRRTQISFSEAF
 NLWQINLHELILRVKGLKLADRVLALICWLFAPL

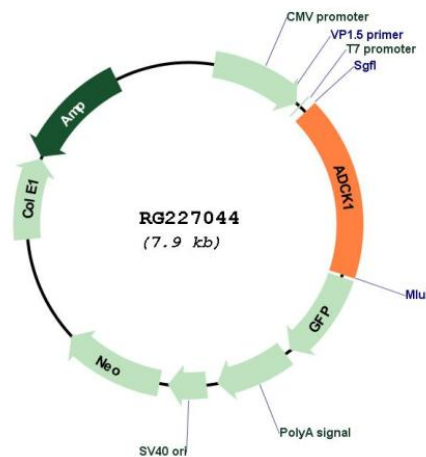
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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 Size: 2045 bp

RefSeq ORF: 1368 bp

Locus ID: 57143

UniProt ID: [Q86TW2](#)

Cytogenetics: 14q24.3

Protein Families: Druggable Genome, Protein Kinase, Secreted Protein

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]