

Product datasheet for **MR230382**

Adck1 (NM_001277297) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adck1 (NM_001277297) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adck1
Synonyms:	2610005A10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230382 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAGAAAGGCTCTCAAGCTTGCTTCATGGACCAGCGTGGCTCTTGCTGCCTCCGGTGTCTACCTCT
 ACAGTAACAACACTACTTGGACCCTAATGACTTTGGCGCTGTCAGGGTGGGAGAGCTGTTGCTACGACAGC
 TGTTCATCAGCTATGACTACCTCACCTCCCTGAGGAGTGTCCCATATGGCTCTGAGGAGTATTTGCAGCGT
 CGATCCCAGGTGCACCTCCGCTCTGCCAGGCGTCTCTTTGAGCTCTGCTGTGCCAACCGGGGCACTTTCA
 TCAAGGTGGGCCAGCACCTGGGGCGCTGGACTACCTGCTGCCAGAAGAGTACACCAGCACACTGAAGGT
 GTTGCACAGTCAAGCCCCACAGAGCAGCATGCAAGAGGTCCGGCAGGTATCCGAGAAGACTGGGCAAG
 GAGATCCACGATTTGTTCTGAGCTTCGATGACACCCCTCTGGGGCAGCCTCCCTGGCCAGGTCCACA
 AGGCGGTGTTGCATGATGGTCCGACAGTGGCAGTTAAGGTCCAGCACCCGAAGGTTCAAGCTCAAAGCTC
 TAAGGACATTCTCTGATGGAGGTGCTTGTCTGGCCGTGAAGCAACTTTCCAGATTTGAATTCATG
 TGCTGGTGGATGAAGCGAAGAAGAACCTGCCTCTCGAGTTGGACTTCCTGAATGAAGGGAGGAACGCTG
 AGAAAGTGGCCACATGCTCAGGCACTTTGACTTCTAAAGGTTCCCGAGATCCACTGGGAGCTGTCTAC
 CAAGAGGGTGTCTCTGATGGAATTTGTAGAGGGAGGTCAAGTCAACGACAGGGCTACATGGAGAAGAAC
 CAGATCGATGTGAATGAGATCTCTGCCACCTGGGCAAGATGTACAGTGAGATGATCTTTGTCAATGGCT
 TCGTGCCTGTGACCCCCACCCAGGCAACGTACTGGTACGGAAGCGTCTGACACGGGCAAGGCTGAGAT
 TGTCTCTTAGACCATGGGCTTTACCAGGTGCTCACGGAGGAGTCCGCCTGGACTACTGCCATCTGTGG
 CAGTCTCTGATCTGGACTGACATGGACGGGCTGAAACAGTACAGCCAGCGCTGGGAGCTGCAGACCTCT
 ACCCACTGTTTGCTGTATGCTGACAGCCGGTCTGGGACTCAGTCAAACAGGGCATTGGGCAAGCTCC
 AGTCTCTGCTACTGAGGACTCAGAGATTGCAATAATGCAGCCTGCTACCTGCCTGAGATCAGCCAGCTC
 CTTAACCATGTGCCTCGCCAGATGCTGCTCATCTGAAGACTAATGATCTACTCCGTAGCATTGAGACCA
 CCCTGGGCACGCGCTCCAGTGCCAGTCCCTTCTCAACATGTCTCGGTGTTGTATCAGGGCGCTGGCTGA
 ACACAAGAAGAGGGATGCCGGCTCTTTCTCAGAAGGACTCAGATATCTTTCAAGTGGGCTTTAGCCTG
 TGGCAGATCAACCTTCATGAACTTCTGCTTCGAGTGAGGGCTTGAGGCTAGCTTGTGGTCTCAGCTC
 TCCTGGGCTGGTGAAGTCCGCTCCACACAGAATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230382 protein sequence
 Red=Cloning site Green=Tags(s)

MARKALKLASWTSVALAASGVYLYSNNYLDPNDFGAVRVGRAVATTAVISYDYLTSLRSVPYGSSEYLQR
 RSQVHLRSARRLFELCCANRGTFIKVGQHLGALDYLLPEEYTLTKVLHSQAPQSSMQEVRQVIREDLGK
 E.IHDLFLSFDDTPLGAASLAQVHKAVLHDGRTVAVKVQHPKVQAQSSKDILLMEVLVLAVKQLFPDFEFM
 WLVD EAKNLPLELDFLNEGRNAEKVAHMLRHFDFLKVPQIHWELSTKRVLMEFVEGGQVNDRAYMEKN
 QIDVNEISCHLGKMYSEMIFVNGFVHCDPHPGNVLVRKRPDTGKAEIVLLDHGLYQVLTEEFRLDYCHLW
 QSLIWTMDGLKQYSQRLGAADLYPLFACMLTARSWDSVKQIGQAPVSATEDSEIRNNAACYLPEISQL
 LNHVPRQMLLILKTNDLLRSIETTLGTRSSASSFLNMSRCCIRALAEHKKRDAGSFFRRTQISFSEAFSL
 WQINLHELLELLRVRALRLACWVSALLGWLTRAPHRM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001277297

ORF Size: 1575 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_001277297.1](#), [NP_001264226.1](#)

RefSeq Size: 2205 bp

RefSeq ORF: 1578 bp

Locus ID: 72113

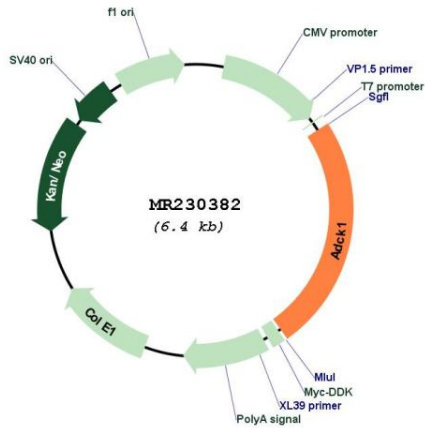
UniProt ID: [Q9D0L4](#)

Cytogenetics: 12 D2-D3

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 MR230382