

Product datasheet for **RR211402**

Adck2 (NM_001107855) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adck2 (NM_001107855) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adck2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR211402 representing NM_001107855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAACCCCTGGCGTTTGTCTGTCCAGGCTGCTTGTGCACACTTGAGATGCTTTGAGTTCGAAAGG
 AACTTGGGCTTTCCAGACCCCTGGGATGCTCTCGAAATGCCAGATTATGTTGGTTTCTGCTAGGTGCTTT
 ACCCAAATTCATCTCAGCCCAGGGCAGTGTGGGGAGGCGGCCCTGGCAGCTTGTGCCAGCGAAAGACT
 CACTGGAGTAACCTGCCTGAAAATGGACTAGTGAAGGTGGCCCAAGAAGGGCCTCTGGCCCGCATATTAC
 TGTGTCTCTGCCTAGGGCTCCGCGCTGGTGTGCTCTTGGCGAAATTCCTCCCCCTCTCTTGTACCC
 TCTCACCTACCTGGCCCCGGCTTCTCCACCCTCTGGCTCCATCTGCTTTTCAAAGCTACAGAGACCTCA
 GGCCCAACGTATATCAAATGGGACAATGGCCAGCACCCGGCGTGATCTTTTTAGAGGCTTTCTGTG
 TCCAGTTCTCAAAGCTGCATGTGCAGGTGACCCCCACCCTTGGCAAGGACGGAATACTACTCCAGCA
 GGCATTTGGGGAGGATTGGCACAGCATCTCTTTTTCGAGACCCAGGAACCTGTGGGTTCCAGTTGTGTG
 GCCCAAGTGTACAAAGCATTTCGCAAAATTTTCATTGCTGGAGAAGGGCAGAATCTGGAGACTTGGGGAGC
 TCTCTGTCCCAGGAACCGGGACAGTCCGGACGCAGAGAGACCCCTTTATGAAAGACTGGAGGCTTCAGA
 AAACCTTGCCGACGAAACATTTATAGAAAAGCTGCTTCTTCTAAAGCTGACCTTGTAGGTGAGAGTG
 GGTGTGTCTCAGGCTCCTGGCCAACCACCAAGTCAGATCACCTCATCCCAGTGGCAGTGAAGTGTAC
 ACCCAGGCTTGTCTCTCAGGTGTACATAGATTTACTGCTGATGAAGATTGGAAGCCAAGCCCTGGGGCT
 CATACCAGGAGTCAAATGGCTTAGCCTGCCTGAGATCGTGGAGGAGTTTGAAGCTCATGGTCCAACAG
 ACAGACCTGCGCTATGAAGCTCAGAATCTAGAGCACTTTCAGCACAACTCCAGAACATGGCATCTGTGA
 AATTTCCACCCCGCTGCACCCCTCATCACTAGGGATATACTGGTGGAAACATACGAAGAGAGTGTCCC
 GGTGTCCAGCTACCAGCAGGCAGGCGTTCCACCGACCTGAAGAGGAAGATTGCACAGCTGGGGATTAAC
 ATGCTTTTCAAATGATATTTGTGGATAACTTTGTGCATGGAGACCTACACCCTGAAACATCCTGGTCC
 AGGGTGTGATGGAGTGTCTCAAGCCTGGAGATGCAGCAGCAGCAAGTGGATGTCTATGACACACTGGT
 GGCTACCATAGCACCTGCCCTGTGCCACTGCGCCTGGTGTGTTGGATGCCGGCATTGTGGCAAAGTTG
 CAGGCTTCGGACCTGAGGAATTTCCGGCAGTTTTCTGGCTGTAGCGATGGGACAGGGCCACAGAGTGG
 CTGAGCTCATGCTGCATCATGCCAGGCCAATGAGTGAAGGATGTGGAAAAGTTCAAGGCTGAGATGGC
 TACTGTTGACCCAGGCCAGGAAGAACCCTCACACTGGAAAAGCTTCATGTTCCAGCCTCCTGTCC
 AGTGTCTTTAAGCTACTGATGACCATAAGGTGAAGCTGGAGAGCAACTTCGCCTCCATTGTGGTGCCA
 TCATGGTGTGGAGGGGCTCGGCCGCTCACTGGACCCCAAGTTGGACATCTGGAGGCAGAAAACCTT
 CCTCTCAAAGGGCCAGCATCCTTCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211402 representing NM_001107855
 Red=Cloning site Green=Tags(s)

MVNPWRLSVRVCLSHLRCFEFGKELGLSRPLGCSRNARLWFLLGALPKFISAQGSVGEAAPGSLCQRKT
 HWSNLPENGLVKVAQEGPLARILLCLCLGLRAGVLLAKFLPLFLYPLTYLAPGFSTLWLHLLFKATETS
 GPTYIKLQWASTRRDLFSEAFVQVSKLHVQVTPHPWARTEYLLQAFGEDWHSILFFETQEPVSGCV
 AQVYKAFANISLLEKGRIRWLGELSVPGTGTGTQRPFMKDWRPSENLADETFIEKLLLPKADLVRSEV
 GVSQAPGQPPKSDHLIPVAVKVLHPGLLSQVYIDLLMKIGSQALGLIPGVKWLSPPEIVVEFEKLMVQQ
 TDLRYEAQNLHFQHNFNQMASVKFPTPLHPLITRDILVETYEESVPVSSYQQAGVPTDLKRKIAQLGIN
 MLFKMIFVDFVHGLHPGNILVQGADGVSSSLEMQQQVQVYDVLVATIPALCPLRLVLLDAGIVAKL
 QASDLRNFRAVFLAVAMGQHRVAELMLHHAQANECKDVEKFAEMATLVTQARKNTLTLEKLHVSSLLS
 SVFKLLMTHKVKLESNFASIVVAIMVLEGLGRSLDPKLDILEAAKPFLKGPASFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001107855

ORF Size: 1848 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_001107855.1](#), [NP_001101325.1](#)

RefSeq Size: 2508 bp

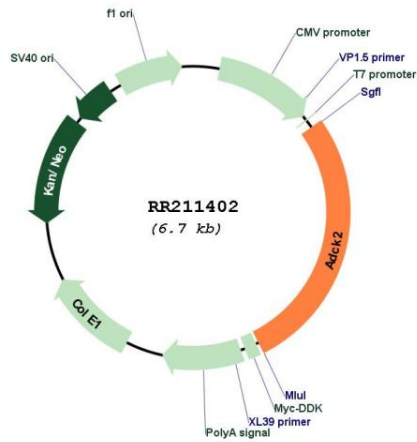
RefSeq ORF: 1851 bp

Locus ID: 312258

Cytogenetics: 4q22

MW: 68.4 kDa

Product images:



Circular map for RR211402