

## Product datasheet for **RR201194**

### Adk (NM\_012895) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adk (NM\_012895) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Adk  
**Synonyms:** AK  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201194 representing NM\_012895  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGCTGCGGACGAGCCGAAGCCCAAGAAGCTCAAGGTGGAAGCGCCAGAAGCGCTGAGTGAAAATG  
TGCTGTTTGGAAATGGGAATCCTCTTCTTGACATCTCTGCTGTGGTAGACAAAGATTTCTTGATAAGTA  
TTCTCTGAAACCAACGACCAGATCTTGGCCGAAGACAAGCACAAGGAATTGTTTGATGAACTTGTAAAA  
AAATTCAAAGTTGAATATCATGCCGGTGGTCCACGCAGAATTCATGAAAGTGGCTCAGTGGATGATTC  
AGGAGCCACACAGAGCAGCAACGTTCTTCGGATGCATTGGGATAGATAAGTTCGGGGAGATCCTGAAGAG  
CAAAGCCGCAGATGCACACGTGGACGCCATTACTATGAGCAGAACGAGCAGCCACAGGAACGTGCGCT  
GCATGCATCACCGGTGGCAACCGGTCTCTTGTGCTAACCTTGCTGCCGCCAATTGTTATAAGAAAGAAA  
AGCACCTTGATCTGGAGAACAACCTGGATGTTGGTAGAGAAAGCCAGAGTTTACTACATAGCTGGCTTCTT  
TCTCACCGTCTCCCAGAGTCAGTGTGAAAGTGGCTCGCTATGCTGCCGAGAACAACAGGACCTTCACT  
CTGAACCTGTCCGACCGTTCATTAGCCAGTCTTCAAGGAAGCCTTGATGGAAGTCATGCCTTATGTTG  
ACATCCTCTTTGAAATGAGACGGAGGCTGCCACTTTTGCTAGAGAGCAAGGCTTTGAGACTAAAGACAT  
TAAAGAAATAGCCAGAAAGACGCAGGCTCTTCCAAGGTGAACTCGAAGAGGCAGAGGACCGTGATCTTC  
ACCCAAGGGAGAGATGACACTATAGTGGCTACAGGAAATGATGTCACTGCTTTCCCTGTCTTGATCAAA  
ACCAGGAAGAGATCGTTGACACCAATGGAGCTGGAGATGCATTTGTAGGAGGTTTCTGTCTCAGCTGGT  
CTCCAACAAGCCTCTGACTGAATGCATCCGGGCCGGGCACTATGCAGCGAGCGTCATCATTAGGCGAACT  
GGCTGTACTTTTCTGAGAAGCCAACTTCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR201194 representing NM\_012895  
 Red=Cloning site Green=Tags(s)

MAAADEPKPKKLKVEAPEALSENVLFGMGNPLLDISAVVDKDFLDKYSCLKPNDQILAEDKHKELFDELVK  
 KFKVEYHAGGSTQNSMKVAQWMIQEPHRAATFFGCIGIDKFGELKSKAADAHVDAHYYEQNEQPTGTCA  
 ACITGGNRSLVANLAAANCYKKEKHLDLENNWMLVEKARVYIAGFFLTVSPESVLKVARYAAENNRFTT  
 LNL SAPFISQFFKEALMEVMPYVDILFGNETEAATFAREQGFETKDIKEIARKTQALPKVNSKRQRTVIF  
 TQGRDDTI VATGNDVTAFPVLDQNEEIVDTNGAGDAFVGGFLSQLVSNKPLTECIRAGHYAASVIIRRT  
 GCTFPEKPNFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

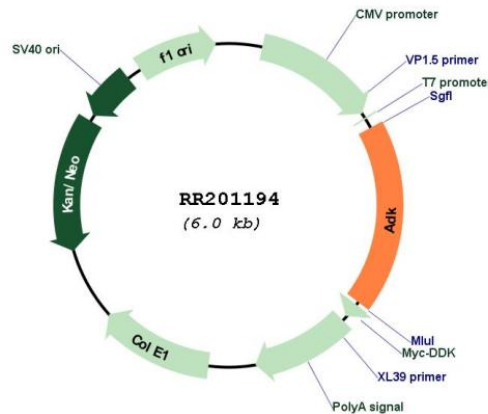
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_012895

<b>ORF Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012895.3</a> , <a href="#">NP_037027.2</a>
<b>RefSeq Size:</b>	1763 bp
<b>RefSeq ORF:</b>	1086 bp
<b>Locus ID:</b>	25368
<b>UniProt ID:</b>	<a href="#">Q64640</a>
<b>Cytogenetics:</b>	15p16
<b>MW:</b>	40.1 kDa
<b>Gene Summary:</b>	catalyzes the phosphorylation of purine nucleosides; plays a role in adenosine metabolism [RGD, Feb 2006]