

Product datasheet for **MR229388**

Adk (NM_001243041) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adk (NM_001243041) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adk
Synonyms: 2310026J05Rik; 5033405D03Rik; AI255373; AI987814; Ak
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229388 representing NM_001243041
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGTCACCAGTGAAAATGTGCTATTTGGAATGGGAATCCTCTTCTTGACATCTCTGCTGTAGTAG
ACAAGATTTCTTGATAAGTATTCTCTGAAACCAAATGACCAGATCTTGCTGAAGACAAGCACAAAGGA
ACTGTTTGATGAACCTGTGAAAAATTCAAAGTTGAATATCATGCTGGTGGCTCTACGCAGAATTCATG
AAAGTGGCTCAGTGGTTGATTCAGGAGCCACACAAGCAGCAACATTCTTTGGATGCATTGGGATAGATA
AGTTTGGGAGATCCTGAAGCGTAAGGCTGCTGACGCACATGTGGATGCTCATTACTATGAGCAGAACGA
GCAGCCAACAGGAACTTGTGCTGCGTGTATCACTGGTGGCAACAGGTCCTCGTTGCTAACCTTGTGCTCC
GCCAATTGTTACAAGAAAGAGAAGCACCTTGACCTGGAGCGGAACTGGGTGTTGGTAGAGAAAGCCAGAG
TTACTACATAGCTGGCTTTTTTCTCACAGTCTCCCCAGAGTCGGTATTGAAAGTGGCTCGCTATGCTGC
CGAGAACAACAGGGTCTTCACTTTGAACCTGTCTGCACCGTTCATTAGCCAGTCTTCAAGGAAGCCTTG
ATGGACGTCATGCCTTATGTTGATATCCTTTTGGAAATGAGACGGAAGCTGCCACTTTTCTAGAGAGC
AAGGCTTTGAGACTAAAGACATTAAGAAATAGCCAAAAGGCGCAGGCTTCCAAAGGTGAATCGAA
GAGGCAGAGGACCGTGATCTTACACAAGGGCGAGATGACACCATAGTGGCTGCAGAGAATGATGTCAT
GCTTTTCTGTCTGGATCAAAACCAGGAAGAGATCATTGACACCAATGGAGCTGGAGATGCATTTGTTG
GAGGCTTTCTGTCTCAACTGGTCTCTGACAAGCCTCTGACTGAGTGCATCCGCGCTGGCCACTACGCAGC
AAGCGTCATATTAGACGAAGTGGTGTACCTTTCCCGAGAAGCCAGACTTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229388 representing NM_001243041
 Red=Cloning site Green=Tags(s)

MTSTSENVLFMGNPLLDISAVVDKDFLDKYS LKPN DQILAEDKHKELFDELVKKFKVEYHAGGSTQNSM
 KVAQWL IQEPHKAATFFGCIGIDKFGEILKRKAADAHVDAHYEQNEQPTGTCAACITGGNRSLVANLAA
 ANCYKKEKHLDLERNWVLVEKARVYIAGFFLTVSPESVLKVARYAAENNRVFTLNL SAPFISQFFKEAL
 MDVMPYVDILFGNETEAATFAREQGFETKDIKEIAKKAQALPKVNSKRQRTVIF TQGRDDTIVAENDVT
 AFPVL DQ NQEEI IDTNGAGDAFVGGFLSQLVSDKPLTECIRAGHYAASVI IRRRTGCTFPEKPDFH

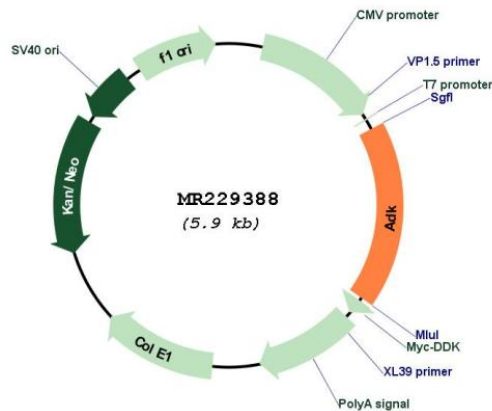
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001243041

ORF Size: 1035 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:	<ol style="list-style-type: none">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_001243041.1 , NP_001229970.1
RefSeq Size:	1838 bp
RefSeq ORF:	1038 bp
Locus ID:	11534
UniProt ID:	P55264
Cytogenetics:	14 A3
MW:	38.9 kDa
Gene Summary:	ATP dependent phosphorylation of adenosine and other related nucleoside analogs to monophosphate derivatives. Serves as a potential regulator of concentrations of extracellular adenosine and intracellular adenine nucleotides.[UniProtKB/Swiss-Prot Function]