

Product datasheet for MR205531

Adk (NM_134079) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adk (NM_134079) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adk
Synonyms:	2310026J05Rik; 5033405D03Rik; AI255373; AI987814; Ak
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205531 representing NM_134079 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCTGCGGACGAGCCCAAGCCAAAAAGCTCAAGGTGGAAGCGCCACAAGCGCTGAGTGAAAATG
TGCTATTTGGAATGGGAATCCTCTTCTTGACATCTCTGCTGTAGTAGACAAAGATTTCTTGATAAGTA
TTCTCTGAAACCAATGACCAGATCTTGGCTGAAGACAAGCACAAGGAAGTGTGGATGAAGTGTGAAA
AAATTCAAAGTTGAATATCATGCTGGTGGCTCTACGCAGAATTCATGAAAGTGGCTCAGTGTTGATTC
AGGAGCCACACAAGCAGCAACATTCCTTGGATGCATTGGATAGATAAGTTTGGGAGATCCTGAAGCG
TAAGGCTGCTGACGCACATGTGGATGCTACTATGAGCAGAACGAGCAGCCAACAGGAAGTGTGCT
CGGTGCATCACTGGTGGCAACAGGTCCCTCGTTGCTAACCTTGCTGCCGCCAATTGTTACAAGAAAGAGA
AGCACCTTGACCTGGAGCGGAAGTGGGTGTTGGTAGAGAAAGCCAGAGTTTACTACATAGCTGGCTTTT
TCTCACAGTCTCCCCAGAGTCGGTATTGAAAGTGGCTCGCTATGCTGCCGAGAACAACAGGGTCTTCACT
TTGAACCTGTCTGCACCGTTTATTAGCCAGTCTTCAAGGAAGCCTTGATGGACGTATGCCTTATGTTG
ATATCCTCTTTGGAAATGAGACGGAAGCTGCCACTTTTGTAGAGAGCAAGGCTTTGAGACTAAAGACAT
TAAAGAAATAGCCAAAAAGGCGCAGGCTCTTCCAAAGGTGAAGTGAAGAGGCAGAGGACCGTGATCTTC
ACACAAGGCGGAGATGACACCATAGTGGCTGCAGAGAATGATGTCAGTCTTTTCTGTCTTGGATCAA
ACCAGGAAGAGATCATTGACACCAATGGAGCTGGAGATGCATTTGTTGGAGGCTTTCTGTCTCAACTGGT
CTCTGACAAGCCTCTGACTGAGTGCATTGCGCTGGCCACTACGCAGCAAGCGTCATCATTAGACGAACT
GGCTGTACCTTTCCCGAGAAGCCAGACTTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205531 representing NM_134079
Red=Cloning site Green=Tags(s)

MAAADEPKPKKLKVEAPQALSENVLFGMGNPLLDISAVVDKDFLDKYSCLKPNDQILAEDKHKELFDELVK
 KFKVEYHAGGSTQNSMKVAQWL IQEPHKAATFFGCIGIDKFGEILKRKAADAHVDAHYYEQNEQPTGTCA
 ACITGGNRSLVANLAAANCYKKEKHLDLERNWVLVEKARVYIAGFFLTVSPESVLKVARYAAENNRVFT
 LNL SAPFISQFFKEALMDVMPYVDILFGNETEAATFAREQGFETKDIKEIAKKAQALPKVNSKRQRTVIF
 TQGRDDTI VAAENDVTAFPVLDQNEEIIDTNGAGDAFVGGFLSQLVSDKPLTECIRAGHYAASVIIRRT
 GCTFPEKPDFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_134079

ORF Size: 1083 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_134079.2](#)

RefSeq Size: 1737 bp

RefSeq ORF: 1086 bp

Locus ID: 11534

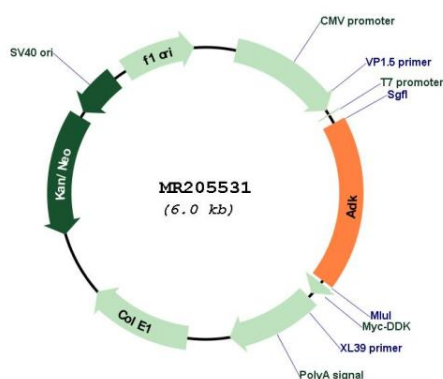
UniProt ID: [P55264](#)

Cytogenetics: 14 A3

MW: 40.6 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]

Product images:



Circular map for MR205531