

Product datasheet for **MC227177**

Adk (NM_001243041) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adk (NM_001243041) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adk
Synonyms: 2310026J05Rik; 5033405D03Rik; AI255373; AI987814; Ak
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC227177 representing NM_001243041
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCACCAGTGAAAAATGTGCTATTTGGAATGGGAATCCTCTTCTTGACATCTCTGCTGTAGTAG
ACAAAGATTTCTTGATAAGTATTCTCTGAAACCAAATGACCAGATCTTGGCTGAAGACAAGCACAAAGGA
ACTGTTTGATGAACTTGTGAAAAATTCAAAGTTGAATATCATGCTGGTGGCTCTACGCAGAATTCATG
AAAGTGGCTCAGTGGTTGATTACAGGAGCCACAAAGCAGCAACATTCTTTGGATGCATTGGGATAGATA
AGTTTGGGAGATCCTGAAGCGTAAGGCTGCTGACGCACATGTGGATGCTCATTACTATGAGCAGAACGA
GCAGCCAAACAGGAACTTGTGCTGCGTGTATCACTGGTGGCAACAGGTCCTCGTTGCTAACCTTGCTGCC
GCCAATTGTTACAAGAAAGAGAAGCACCTTGACCTGGAGCGGAACTGGGTGTTGGTAGAGAAAGCCAGAG
TTTACTACATAGCTGGCTTTTTTCTCACAGTCTCCCCAGAGTCGGTATTGAAAGTGGCTCGCTATGCTGC
CGAGAACAACAGGGTCTTCACTTTGAACCTGTCTGCACCGTTCATTAGCCAGTTCCTCAAGGAAGCCTTG
ATGGACGTCATGCCTTATGTTGATATCCTCTTTGGAAATGAGACGGAAGCTGCCACTTTTCTAGAGAGC
AAGGCTTTGAGACTAAAGACATTAAGAAATAGCCAAAAGGCGCAGGCTCTTCCAAGGTGAATCGAA
GAGGCAGAGGACCGTGATCTTACACAAGGGCGAGATGACACCATAGTGGCTGCAGAGAATGATGCTCACT
GCTTTTCTGTCTTGGATCAAAACCAGGAAGAGATCATTGACACCAATGGAGCTGGAGATGCATTTGTTG
GAGGCTTCTGTCTCAACTGGTCTCTGACAAGCCTCTGACTGAGTGCATCCGCGCTGGCCACTACGCAGC
AAGCGTCATCATTAGACGAAGTGGCTGTACCTTTCCCGAGAAGCCAGACTTCCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001243041
Insert Size:	1038 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001243041.1</u> , <u>NP_001229970.1</u>
RefSeq Size:	1838 bp
RefSeq ORF:	1038 bp
Locus ID:	11534
UniProt ID:	<u>P55264</u>
Cytogenetics:	14 A3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.</p>