

Product datasheet for **RR209413**

Ada (NM_130399) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ada (NM_130399) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ada
Synonyms:	MGC108610
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209413 representing NM_130399 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCAGACGCCCGCATTCAACAAGCCCAAAGTAGAGCTGCACGTCCACCTGGATGGAGCCATCAAGC
CAGAAACCATCTGTACTATGGCAAGAAGAGAGGAATCGACCTCCCGGCAGATACAGTGGAGGGACTACG
CAACATTATCGGCATGGACAAGCCTCTCTCGCTCCCAGACTTCCTGGCCAAGTTCGATTACTACATGCCT
GCCATCGCGGGCTGCAGGGAGGCCATCAAGAGAATCGCCTATGAATTTGTGGAGATGAAGCAAAGGAAG
GCGTGGTGTACGTGGAAGTTCGCTACAGCCACACCTGCTGGCCAACCCAAAGTGGACCAATCCCTG
GAACCAGGCCGAAGGAGACCTCACCCCTGATGAGGTTGTGGATCTTGTAACCAGGGCCTGCAGGAGGGA
GAGCAAGCATTTCGCATCAAGGTCCGGTCCATCTTGTGCTGCATGCGCCACCAGCCAGCTGGTCCCTG
AGGTGTTGGAGCTGTGTAAGAAGTACCATCAGAAGACCGTGGTGGCTATGGACTTGGCTGGGGATGAGAC
CATTGAAGGAAGCAGCCTTTCCCGGCCACGTGGAAGCCTACGAGGGTGCAGTGAAGGATGGCATTAC
CGGACTGTCCATGCTGGAGAGGTGGGCTCTGCTGAGGTGGTGCAGAGGCTGTGGACATACTCAAGACAG
AGAGAGTGGGGCACGGTACCACACAATAGAGGATGAAGCCCTCTACAACAGGCTACTGAAAGAAAACAT
GCACTTTGAGGTCTGCCCTGGTCCAGCTACCTACTGGCGCTGGAATCCAAAACGACGCATGCAGTT
GTTGCTTCAAAGATGATCAGGCCAACTACTCCCTCAACTCGGACGACCCCTCATCTTCAAGTCCACCG
TGGACTGACTACCAGATGGTAAAAAGACATGGGCTTCACTGAAGAGGAGTTCAAGAGACTGAACAT
CAATGCGCGAAGTCAAGCTTCTCCAGAGGACGAGAAGAAGGAACCTTCTGGAACGGCTCTACAAGGAA
TACCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209413 representing NM_130399
Red=Cloning site Green=Tags(s)

MAQTPAFNPKPKVELHVHLDGAIKPETILYYGKKRGIDLPA DTVEGLRNIIGMDKPLSLPDFLAKFDYYMP
 AIAGCREAIKRIAYEFVEMKAKEGVVYEVRYSPHLLANSKVDP IPWNQAEGLDTPDEVVDLVNQLQEG
 EQAFGIKVR SILCCMRHQPSWSPEVLELCKKYHQKT VVAMDLAGDETIEGSSLFPGHVEAYEGAVKDGIIH
 RTVHAGEVGS AEVVREAVDILKTERVGHGYHTIEDEAL YNRLLENMHFEVCPWSSYL TGAWNPKTTHAV
 VRFKDDQANYSLNSDDPLIFKSTVDTDYQMVKKDMGFTEEEFKRLNINAAKSSFLPEDEKKELLERLYKE
 YQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

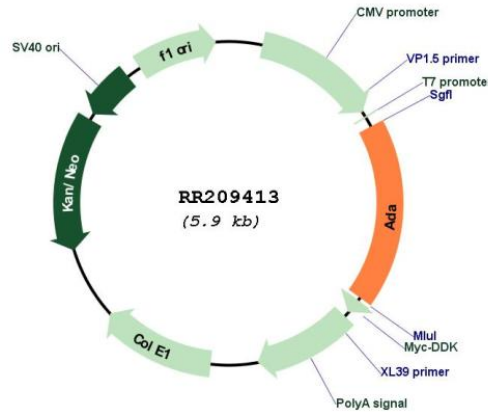
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_130399

ORF Size:	1056 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_130399.2 , NP_569083.1
RefSeq Size:	1417 bp
RefSeq ORF:	1059 bp
Locus ID:	24165
UniProt ID:	Q920P6
Cytogenetics:	3q42
MW:	39.9 kDa
Gene Summary:	catalyzes the conversion of adenosine to inosine in adenosine metabolism; may act as a neuromodulator in sleep-wake regulation [RGD, Feb 2006]