

Product datasheet for **MR229060**

Adal (NM_001290811) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adal (NM_001290811) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adal
Synonyms: 4930578F03Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229060 representing NM_001290811
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAAGTTATACATCAGCTTACTACTAGTGCTGAGGACATCCTGATGGTCACAAAAGACGTCATTA
AGGAATTTGCAGATGATGGTGTCAAGTACCTGGAGCTGAGGAGCACTCCCAGAGAAGAAAATGCTACTGG
AATGACTAGGAAGACTTACGTGGAATCCGTCCTTGAAGGCATAAAACAATGCAAACAGGAAAACCTAGAT
ATTGATGTTAGGTATTTGATGGCAATTGACAGAAGAGGTGGCCCAACAATAGCCAGGGAGACTGTGGAAC
TTGCTAAAGAGTTCTTCCTCTCTACTGAGAATACAGTTCTTGGCCTTGACCTCAGTGGAGATCCAACAT
AGGACAAGCTAACGACTTCTTGGAGCCTCTTTAGAAGCTAAAAAGCAGGTCTGAAGTTGGCATTGCAT
CTTGCCGAGATTCCAAACAGGAAAAAGAAAATCAGATGCTGCTGAGTCTGCTCCCTGACAGAATTGGGC
ATGGGACATTCTTAGCGCCTCTGAGGCAGGGCCCTGGACCAAGTGGACTTCGTGAGGCAACACCAGAT
ACCCCTCGAATTTGTTTGACCTCAAACATCAAAGCCAGACAGTCCCTTCTTATGATCAGCATCACTTT
GGATTTTGGTACAGCATTGCTCATCCTTCTGTGATCTGTACTGATGATAAAGGTGTTTTTGGACATACC
TTTCTCAAGAATATCAACTGGCAGCAGAAACATTTAATTTGACCCATTTGAGGTGTTGGGATCTGTCTTA
TGAATCCATCAACTACATCTTTGCTTGTGACAACACCAGATCTGAACTGAGAAAAAGGTGGACTCACTTG
AAGCAGAAAAGTGTAAACTGTAATGAGGTGAACTACTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229060 representing NM_001290811
 Red=Cloning site Green=Tags(s)

MFQVIHQLT TSAEDILMVT KDVIKEFADDGVKYLELRSTPREENATGMTRKTYVESVLEGIKQCKQENLD
 IDVRYLMAIDRRGGPTIARETVELAKEFFLSTENTVGLDLSGDPTIGQANDFLEPLLEAKKAGLKLALH
 LAEIPNREKENQMLLSLLPDRIGHGTFLSASEAGALDQVDFVRQHQIPELCLTSNIKSQTVPYSDQHFF
 GFWYSIAHPSVICDDKGVFATYLSQEYQLAAETFNLPFQVWDL SYESINYIFACDNTRSELKRKRWTHL
 KQKVLNCNEVNYF

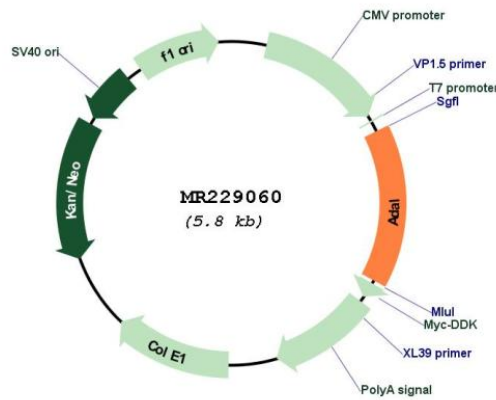
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290811

ORF Size: 879 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_001290811.1 , NP_001277740.1
RefSeq Size:	2475 bp
RefSeq ORF:	882 bp
Locus ID:	75894
UniProt ID:	Q80SY6
Cytogenetics:	2 E5
MW:	33.8 kDa
Gene Summary:	Putative nucleoside deaminase. May catalyze the hydrolytic deamination of adenosine or some similar substrate and play a role in purine metabolism (By similarity).[UniProtKB/Swiss-Prot Function]