

## Product datasheet for **RC210093**

### ADAL (NM\_001012969) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ADAL (NM_001012969) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAL
Synonyms:	HsMAPDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210093 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATAGAGGCAGAAGAGCAACAGCCTTGCAAGACAGACTTCTATTCTGAATTGCCAAAAGTGGAACTTC  
ATGCCCACTTGAATGGATCCATTAGTTCTCATACCATGAAGAAATTAATAGCCCAGAAGCCAGATCTTAA  
AATCCACGATCAGATGACTGTGATTGACAAGGGAAAGAAAGAACTTTGGAAGAATGTTCCAGATGTTT  
CAAATATTCATCAGCTTACTAGTAGCCCTGAAGATATTCTAATGGTCACAAAAGATGTCATAAAAAGAT  
TTGCAGATGACGGCGTCAAGTACCTGGAACCTAAGGAGCACACCCAGAAGAGAAAAATGCTACCGGAATGAC  
TAAAAAGACTTATGTGGAATCTATACTTGAAGGTATAAAACAGTCCAAACAAGAAAACTTGACATTGAT  
GTTAGGTATTTGATAGCAGTTGACAGAAGAGGTGGCCCTTTAGTAGCCAAGGAGACTGTAAAACCTGCCG  
AGGAGTTCTTCCTTTCTACTGAGGGTACAGTTCTTGGCCTTGACCTCAGTGGAGACCCTACTGTAGGACA  
AGCAAAAGACTTCTTGGAACTCTTTTAGAAGCTAAGAAAGCAGGTCTGAAGTTAGCATTGCATCTTTCA  
GAGATTCCAAACCAAAAAAAGAAACACAATACTCCTGGATCTGCTTCTGACAGAATCGGGCATGGAA  
CATTTCTCAACTCCGGTGAGGGAGGATCCCTGGATCTGGTGGACTTTGTGAGGCAACATCGGATACCACT  
GGTAAGGCTTGGAGTTTCAGGTCTTCCAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC210093 protein sequence  
 Red=Cloning site Green=Tags(s)

MIEAEEQQPCKTDFYSELPKVELHAHLNGSISSTHMKKLI AQKPD LKIHDQMTVIDKGGKRTLEECFQMF  
 QTIHQLTSSPEDILMVKDVIKEFADGKYLELRSTPRRENATGMTKKTYYESILEGKQSKQENLDID  
 VRYLIAVDRRGGPLVAKETVKLAEEFFLSTEGTVLGLDLSGDPTVGQAKDFLEPLLEAKKAGLKLALHLS  
 EIPNQKKE TQILLDLLPDRIGHGTFLNSGEGGSLDLVDFVVRQHRIPLGKAWSFRRSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6087\\_g04.zip](https://cdn.origene.com/chromatograms/mk6087_g04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001012969

**ORF Size:** 801 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\\_001012969.1](#), [NP\\_001012987.1](#)

**RefSeq Size:** 1945 bp

**RefSeq ORF:** 804 bp

**Locus ID:** 161823

**UniProt ID:** [Q6DHV7](#)

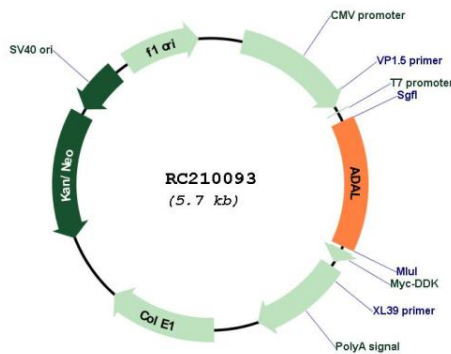
**Cytogenetics:** 15q15.3

**Protein Families:** Druggable Genome

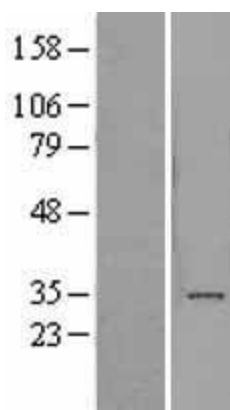
**MW:** 30 kDa

**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]

**Product images:**



Circular map for RC210093



Western blot validation of overexpression lysate (Cat# [LY400387]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210093 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).