

Product datasheet for RC228257

ADAL (NM_001159280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAL (NM_001159280) 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:	>RC228257 representing NM_001159280 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGAGGCAGAAGAGCAACAGCCTTGAAGACAGACTTCTATTCTGAATTGCCAAAAGTGGAACTTC
ATGCCACTTGAATGGATCCATTAGTTCTCATACCATGAAGAAATTAATAGCCAGAAAGCCAGATCTTAA
AATCCACGATCAGATGACTGTGATTGACAAGGGAAAGAAAGAACTTTGGAAGAATGTTCCAGATGTTT
CAAACATTCATCAGCTTACTAGTAGCCCTGAAGATATTCTAATGGTCACAAAAGATGTCATAAAAAGAT
TTGCAGATGACGGCGTCAAGTACCTGGAACCTAAGGAGCACACCCAGAAGAGAAAAATGCTACTGGAATGAC
TAAAAAGACTTATGTGGAATCTATACTTGAAGGTATAAACAGTCCAAACAAGAAAACTTGACATTGAT
GTTAGGTATTTGATAGCAGTTGACAGAAGAGGTGGCCCTTTAGTAGCCAAGGAGACTGTAAAACCTGGCCG
AGGAGTTCTTCTTTCTACTGAGGGTACAGTTCTTGGCCTTGACCTCAGTGGAGACCCTACTATTTCCAAA
CCAAAAAAGAAACACAAATACTCCTGGATCTGCTTCTGACAGAATCGGGCATGGAACATTTCTCAAC
TCCGGTGAGGGAGGATCCCTGGATCTGGTGGACTTTGTGAGGCAACATCGGATACCACTGGAACCTGTT
TGACCTCAAACGTCAAAGTCAGACAGTCCATCTTATGACCAGCACCATTTCCGATTCTGGTACAGCAT
TGCCCATCCTTCTGTGATCTGTACTGATGATAAGGGTGTTTTTGCAACACACCTTTCTCAAGAGTACCAG
CTGGCAGCTGAAACATTTAATTTGACCCAGTCTCAGGTGTGGATCTGTCTTATGAATCCATCAACTACA
TCTTTGCTTCTGACAGCACCATCTGAACCTGAGGAAGAAATGGAATCACCTGAAGCCAGAGTGTTACA
TATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC228257 representing NM_001159280
Red=Cloning site Green=Tags(s)

MIEAEEQQPCKTDFYSELPKVELHAHLNGSISSTHMKKLI AQKPD LKIHDQMTVIDKGKKRTLEECFQMF
 QTIHQLTSSPEDILMVKDVIKEFADDGVKYLELRSTPRRENATGMTKKTYYVESILEGIKQSKQENLDID
 VRYLIAVDRRGGPLVAKETVKLAEEFFLSTEGTVLGLDLSGDPTIPNQKKETQILLDLLPDRIGHGTFLN
 SGEGLSLDLVDFVRQHRIPLELCLT SNVKSQTVP SYDQH HFGFWYSIAHPSVICTDDKGVFATHLSQEYQ
 LA AETFNLTQSQVWDL SYESINYIFASDSTRSEL RKKWNHLKPRVLHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8052_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159280

ORF Size: 984 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_001159280.3](#)

RefSeq ORF: 987 bp

Locus ID: 161823

UniProt ID: [Q6DHV7](#)

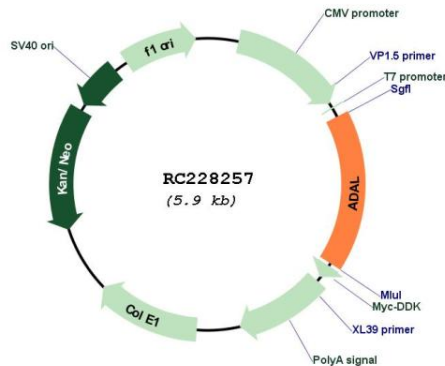
Cytogenetics: 15q15.3

Protein Families: Druggable Genome

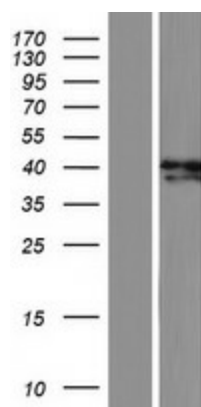
MW: 37.2 kDa

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 RC228257



Western blot validation of overexpression lysate (Cat# [LY431285]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228257 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).