

Product datasheet for **RG228257**

ADAL (NM_001159280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAL (NM_001159280) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ADAL
Synonyms:	HsMAPDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228257 representing NM_001159280 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGAGGCAGAAGAGCAACAGCCTTGCAAGACAGACTTCTATTCTGAATTGCCAAAAGTGGAACTTC
ATGCCACTTGAATGGATCCATTAGTTCTCATACCATGAAGAAATTAATAGCCAGAAAGCCAGATCTTAA
AATCCACGATCAGATGACTGTGATTGACAAGGGAAAGAAAGAACTTTGGAAGAATGTTCCAGATGTTT
CAAACATTCATCAGCTTACTAGTAGCCCTGAAGATATTCTAATGGTCACAAAAGATGTCATAAAAGAAT
TTGCAGATGACGGCGTCAAGTACCTGGAACCTAAGGAGCACACCCAGAAGAGAAAAATGCTACTGGAATGAC
TAAAAAGACTTATGTGGAATCTATACTTGAAGGTATAAAACAGTCCAAACAAGAAAACTTGACATTGAT
GTTAGGTATTTGATAGCAGTTGACAGAAGAGGTGGCCCTTTAGTAGCCAAGGAGACTGTAAAACCTGCCG
AGGAGTTCTTCTTTCTACTGAGGGTACAGTTCTTGGCCTTGACCTCAGTGGAGACCCTACTATTCCAAA
CCAAAAAAGAAACACAATACTCCTGGATCTGCTTCTGACAGAATCGGGCATGGAACATTTCTCAAC
TCCGGTGAGGGAGGATCCCTGGATCTGGTGGACTTTGTGAGGCAACATCGGATACCACTGGAACCTGTT
TGACCTCAAACGTCAAAGTCAGACAGTCCATCTTATGACCAGCACCATTTCCGATTCTGGTACAGCAT
TGCCCATCCTTCTGTGATCTGTACTGATGATAAGGGTGTTTTTGCAACACACCTTTCTCAAGAGTACCAG
CTGGCAGCTGAAACATTTAATTTGACCCAGTCTCAGGTGTGGATCTGTCTTATGAATCCATCAACTACA
TCTTTGCTTCTGACAGCACCAGATCTGAACTGAGGAAGAAATGGAATCACCTGAAGCCAGAGTGTTACA
TATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228257 representing NM_001159280
 Red=Cloning site Green=Tags(s)

MIEAEEQQPCKTDFYSELPKVELHAHLNGSISSTHMKKLI AQKPD LKIHDQMTVIDKGGKRTLEECFQMF
 QTIHQLTSSPEDILMVTKDVIKEFADDGVKYLELRSTPRRENATGMTKKTYYVESILEGIKQSKQENLDID
 VRYLIAVDRRGGPLVAKETVKLAEEFFLSTEGTVLGLDLSGDPTIPNQQKETQILLDLLPDRIGHGTF LN
 SGEGGSLDLVDFVRQHRIPLELCLT SNVKSQTVPSYDQHFFGFWYSIAHPSVIC TDDKGVFATHLSQEYQ
 LAAETFNLTQSQVWDL SYESINYIFASDSTRSEL RKKWNHLKPRVLHI

TRTRPLE - GFP Tag - V

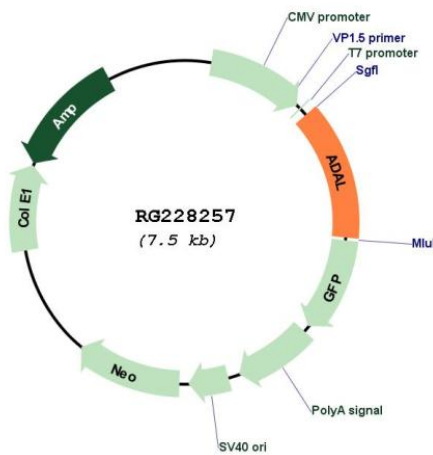
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_001159280.3
RefSeq Size:	3524 bp
RefSeq ORF:	987 bp
Locus ID:	161823
UniProt ID:	Q6DHV7
Cytogenetics:	15q15.3
Protein Families:	Druggable Genome
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]