

Product datasheet for **MC226595**

Adal (NM_001290812) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adal (NM_001290812) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adal
Synonyms: 4930578F03Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226595 representing NM_001290812
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAATTGACAGAAGAGGTGGCCCAACAATAGCCAGGGAGACTGTGCGAACTTGCTAAAGAGTTCTTCC
TCTCTACTGAGAATACAGTTCTTGGCCTTGACCTCAGTGGAGATCCAACATAGGACAAGCTAACGACTT
CTTGGAGCCTCTTTTAGAAGCTAAAAAGCAGGTCTGAAGTTGGCATTGCATCTTGCCGAGATTCCTTAAAC
AGGAAAAAGAAAATCAGATGCTGCTGAGTCTGCTCCCTGACAGAATTGGGCATGGGACATTCCTTAGCG
CCTCTGAGGCAGGGCCCTGGACCAAGTGGACTTCGTGAGGCAACACCAGATACCCCTCGTGTGGGAAAGC
AAATGCAGAGCTCTACATGTGCAGGGCAGGCCCTCTTCTGCTGAGGCACATCCCCACTCAGAACAAAGTCC
ACATCACAAGTAATGAACATTTTGTGGAACTTTGTTTGACCTCAAACATCAAAGCCAGACAGTCCCTT
CTTATGATCAGCATCACTTTGGATTTTGGTACAGCATTGCTCATCCTTCTGTGATCTGTACTGATGATAA
AGGTGTTTTTGCACATACCTTTCTCAAGAATATCAACTGGCAGCAGAAACATTTAATTTGACCCCATTT
CAGGTGTGGGATCTGCTATGAATCCATCAACTACATCTTTGCTTGTGACAACACCAGATCTGAAGTGA
GAAAAAGGTGGACTCACTTGAAGCAGAAAGTGTAAACTGTAATGAGGTGAAGTACTTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290812
Insert Size: 762 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290812.1, NP_001277741.1</u>
RefSeq Size:	2369 bp
RefSeq ORF:	762 bp
Locus ID:	75894
UniProt ID:	<u>Q80SY6</u>
Cytogenetics:	2 E5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) contains alternate 5' exon structure, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, and it also includes an additional in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to variant 1.</p>