

## Product datasheet for **MG205516**

### Adal (NM\_029475) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Adal (NM_029475) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adal
Synonyms:	4930578F03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205516 representing NM_029475 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCCGGACAGCAGTGGCCTGGGAAGACAGACTTTTATCTGCAATTACAAAAGTGGAGCTCCATG  
CCCCTTGAATGGCTCCATTAGTCCAGTACCATGAAGAACTGATAGCCAAGAAGCCACATCTTAACGT  
TCATGGTCACATGACCATGATTGACAAGGGGAAGAAAAGGACTTTACAAGAATGTTCCAGATGTTCCAA  
GTTATACATCAGCTTACTACTAGTGTGCTGAGGACATCCTGATGGTCACAAAAGACGTCATTAAGGAATTTG  
CAGATGATGGTGTCAAGTACCTGGAGCTGAGGAGCACTCCAGAGAAGAAAATGCTACTGGAATGACTAG  
GAAGACTTACGTGGAATCCGTCCTTGAAGGCATAAAACAATGCAAACAGGAAAACCTAGATATTGATGTT  
AGGTATTTGATGGCAATTGACAGAAGAGGTGGCCCAACAATAGCCAGGGAGACTGTCGAACCTTGCTAAAG  
AGTTCTTCTCTCTACTGAGAATACAGTCTTGGCCTTGACCTCAGTGGAGATCCAATATAGGACAAGC  
TAACGACTTCTTGGAGCCTCTTTTAGAAGCTAAAAAGCAGGCTGAAGTTGGCATTGCATCTTGCCGAG  
ATTCCAAACAGGGAAAAAGAAAATCAGATGCTGCTGAGTCTGCTCCCTGACAGAATTGGGCATGGGACAT  
TCCTTAGCGCCTCTGAGGCAGGGGCCCTGGACCAAGTGGACTTCGTGAGGCAACACCAGATACCCCTCGA  
ACTTTGTTGACCTCAAACATCAAAGCCAGACAGTCCCTTCTTATGATCAGCATCACTTTGGATTTTGG  
TACAGCATTGCTCATCCTTCTGTGATCTGTACTGATGATAAAGGTGTTTTGCGACATACCTTTCTCAAG  
AATATCAACTGGCAGCAGAAACATTTAATTTGACCCCATTTTCAGGTGTGGGATCTGTCCTATGAATCCAT  
CAACTACATCTTTGCTTGTGACAACACCAGATCTGAACTGAGAAAAGGTGGACTCACTTGAAGCAGAAA  
GTGTTAACTGTAATGAGGTGAACACTTT

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205516 representing NM\_029475  
 Red=Cloning site Green=Tags(s)

```
MEAGQQWPGKTD FYLQLPKVELHAHLNGSISSTMKKLI AKKPHLNVHGHMTMIDKGGKRTLQECFQMFQ
VIHQLTTS AEDILMVTKDVIKEFADDGVKYLELRSTPREENATGMTRKTYVESVLEGIKQCKQENLDIDV
RYLMAIDRRGGPTIARETVELAKEFFLSTENTVLGLDLSGDPTIGQANDFLEPLLEAKKAGLKLALHLAE
IPNREKENQMLLSLLPDRIGHGTFLSASEAGALDQVDFVRQHQIPELCLT SNIKSQTVP SYDQH HFGFW
YSIAHPSVIC TDDKGVFATYLSQEYQLAAETFNLTPFQVWDL SYESINYIFACDNTRSELKR R WTHL KQK
V LNCNEVNYF
```

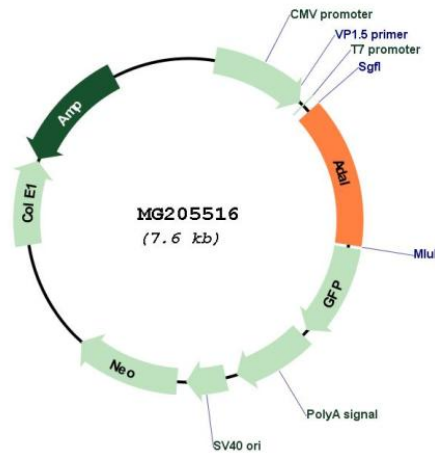
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_029475

<b>ORF Size:</b>	1080 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_029475.2</a> , <a href="#">NP_083751.1</a>
<b>RefSeq Size:</b>	2334 bp
<b>RefSeq ORF:</b>	1083 bp
<b>Locus ID:</b>	75894
<b>UniProt ID:</b>	<a href="#">Q80SY6</a>
<b>Cytogenetics:</b>	2 E5
<b>Gene Summary:</b>	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]