

## Product datasheet for **MG206245**

### Aadac (NM\_023383) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aadac (NM_023383) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aadac
Synonyms:	5033417E09Rik; Aada; AI265437
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206245 representing NM_023383 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAAAACCATTTCTTCTCATCTCTGTGGTGCTTGTAGCTTATTATCTTTATATACCGTTCCAG  
ATGCTATTGAAGAGCCTTGAAGGTAGTATGGGAACTGCCTTTGTAAAGATAGGAACAGATTTGGCTTC  
ATTTGGTGAACCTTTGGGAATCAGTCACCTCATGGAAACGATACAGTTACTTATGAGTTTTCAAGAAGTC  
CCACCCACGTCTGATGAGCATGTCAGTGTGATGGAGACAGCTTTCGACAGTGTCCCGTTCCGATATACA  
TACCCAAAAGAAAGTCAATGACTCTCAGCGGGGCTTGTATTTATATTCATGGTGGTGGCTGGTGTGGG  
GAGTGTGCTCACTTCTCCTATGACACTCTATCGAGATGGACAGCCATAAACTTGATGCTGTTGTTGTG  
TCAACTGACTATGGCTTAGCCCCAAAACACCATTTTCCAAGACAGTTTGAAGATGTGTATCGTAGTTTAC  
GATGGTCTTACAAGAGGACGTCCTTGA AAAATATGGTGTAGATCCTAGGAGAGTCGGTGTGCTGGAGA  
CAGTGTGGGGAAACTTAGCCGAGCTGTGACCCAACAGCTTATACAAGATCCAGATGTCAAGATCAAA  
CTCAAGGTCCAAGCCTTAATATATCCTGCCCTTCAGGCTCTTGATACGAATGTACCATCACAAACAAGAG  
GTTCCCATTTCCAGTTTTAACCAGGTCATTAATGGTCAGGTTCTGGAGTGAATACTTTACTACAGACCC  
AGGCCTGGAAAAGCCATGCTTCTCAACCAACATGTACCATGGAATCTAGCCACTGTTACAGTTTGTG  
AATTGGAGTTCCTTGCTCCCTGAGAGATACAAGAAAAGTCCCCTTTACAAAAATCCCACCTCTGGTAGTT  
CTGAGCTGGCTCAAAAGTATCCAGGGTTCAAGATGTGAAGGCATGCCCTCTGTTGGCCAATGACAATAT  
ATTGCATCATTTACCTAAGACCTATATCATCACTTGCCAGTATGATGTCCTAAGAGATGATGGACTCATG  
TATGTCAAGCGGCTTCAGAATGTTGGAGTTCATGTTACTCATCACCATGTGGAAGATGGATTCCATGGAA  
CGTTTTCTTTCTGTTTAAAACCTTTCAGAGAGGATGAAAAATCAGTACTTGAGTTGGCTTATCAAAA  
TCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206245 representing NM\_023383  
 Red=Cloning site Green=Tags(s)

MGKTISLLISVVLVAYLYIPLPDAIEEPWKVVWETAFVKIGTDLASFGELLGISHFMETIQLLMSFQEV  
 PPTSDEHVTVMETAFDSVPVRIYIPKRKSM LRRGLFYIHGGGWCLGSAAHFSYDTLSRWTAKHLDAVVV  
 STDYGLAPKHHFPRQFEDVYRSLRWFLQEDVLEKYGVDP RR VGVSGDSAGGNLAAAVTQQLIQDPDVKIK  
 LKVQAL IYPALQALD TNVPSQQEGSHFPVL TRSLMVRWFSEYFTTDRGLEKAMLLNQHVPMESSHLLQFV  
 NWSLLPERYK KSPVYKNPTPGSSELAQKYPGFIDVKACPLL ANDNILHHLPKTYIITCQYDVL RDDGLM  
 YVKRLQNVGVHVT HHHVEDGFHGTF SFPGLKLSERMKNQYLSWL IKNL

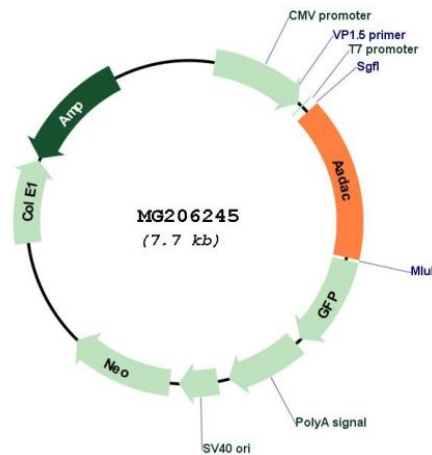
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_023383

<b>ORF Size:</b>	1194 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_023383.1</a> , <a href="#">NP_075872.1</a>
<b>RefSeq Size:</b>	1294 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	67758
<b>UniProt ID:</b>	<a href="#">Q99PG0</a>
<b>Cytogenetics:</b>	3 D
<b>Gene Summary:</b>	Displays cellular triglyceride lipase activity in liver, increases the levels of intracellular fatty acids derived from the hydrolysis of newly formed triglyceride stores and plays a role in very low-density lipoprotein assembly (By similarity). Displays serine esterase activity in liver. Deacetylates a variety of arylacetamide substrates, including xenobiotic compounds and procarcinogens, converting them to the primary arylamide compounds and increasing their toxicity.[UniProtKB/Swiss-Prot Function]