

## Product datasheet for **MC200934**

### Aadat (NM\_011834) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Aadat (NM\_011834) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Aadat  
**Synonyms:** Aadt; AI875679; Kat2; KATII; Kyat2; mKat-2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC012637 sequence for NM\_011834  
 CCACGCGTCCGGTGGCACTACACAGGGACAGCTAACAGTGCATCCCAGTGACTGGCTTTCTGAATCCT  
 GCTCCACGCGACCAGCAGAGACATGAATTACTCACGGTTCCTCACTGCAACGAGCCTGGCCAGAAAGCCA  
 TCTCCCATCAGAACTACAGCGGACATACTGAGCAAAGCACAAAAACCCTCATCTCCCTGGCTCCTGGAT  
 CTCCAAACCCGAGCATGTTCCCTTTAAGTCAGCTGCCTTCACTGTGAAAACGGAAACCCATCCGGTT  
 TGAAGACGACTTGATCAAAGGGCCCTCCAATACTCTCCAAGCTATGGAATTCAGAACTTCTGTCTGG  
 CTAACAGTTTCAAGTAAAATTGCATAATCCCCCACTGTCACTACCCACCCAATCAAGGACAGATGG  
 ATCTCTGCATCACATCTGGCTGCCAAGATGGTCTCTGTAAGGCATTTGAAATGCTCATCAATCCTGGAGA  
 CACTATCCTGGTCAATGAACCACTGTTCCAGGAACCCTTTATGCTATGAAACCACTAGGCTGCAACATT  
 ATTAATGTCCCAAGTATGAGCATGGGATTATTCCAGAGGGTCTCAAAAAATCCTTTCCAGTGGAAAC  
 CAGAAGATTCCAAGGATCCACAAAAAAGACTCCAAAATTTCTGTATACTGTCCCAATGGCAACAACCC  
 TACAGGCAACTCGTTGACAGGTGACCGCAAGAAGGAAATCTATGAGCTTGCAAGAAAATATGATTTCCCTC  
 ATAATAGAAGATGACCCTTACTATTTTCTCAGTTTAGCAAGCCTTGGGAGCCAACCTTTCTCTCCATGG  
 ATGTTGATGGGAGAGTCACTCAGAGCTGACACCTTTTCAAAAACCGTCTCCTCAGGGTTGAGAGTAGGGTT  
 TATGACTGGCCCTAAGACCTTGATACAGAATATTGTTCTCCACACACAAGTCTCATCAGTACATGCCTGT  
 ACTCTCTCACAGCTCATGATACTACAGTCTTACACCAATGGGGAGAAGAGGGTTTCTGGCTCATATTG  
 ACAGAACTATTGATTTCTACAAGAACCAGAGGGATTCCATATTGGCAGCTGCAGACAAGTGGTTACGTGG  
 CTTGGCAGAGTGGCATGTTCCCAAAGCTGGCATGTTTCTATGGATTAAGTAAAGGGAATCTCCGATACA  
 AAACAACCTGATTGAAGAAAAGGCTATTGAAAGAGAGGCTTACTTGTTCCTGGAAATGGTTTCTTCATTG  
 ATGGCTCAGCTCCTACCTCCTTCTCAGAGCATCCTTCTCTCTGGCTACTCCAGCACAGATGGATACAGC  
 CTTCCAGAGATTGGCCCACTGATAAAAAGAGTCTTTATGAAGAAATCAAACCTCAGCATTGGACTCATAAT  
 TTTTAAATAAAATTAATCTGTACTTTGCAGAAGAAATGGTTGTTGCTGTTTGACTGACAGGATGGATCCA  
 GGTTGTGAAACATCTGTAGCAATTTCCCTGAACCACTTTAAAGTCCCCTTAAATCCATCACATTGCCAAA  
 TAGCTTTCTGATCTACTTTTGCCTTTGATTAATTTGCAACTGACAAAGCATTAAATTTTATTGTAAGA  
 GCTCTATAGCTGCTTTATAATAGCCAATAAATTTTTTTTCAAACTAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_011834
<b>Insert Size:</b>	1278 bp
<b>OTI Disclaimer:</b>	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).
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">BC012637</a> , <a href="#">AAH12637</a>
<b>RefSeq Size:</b>	1670 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	23923
<b>UniProt ID:</b>	<a href="#">Q9WVM8</a>
<b>Cytogenetics:</b>	8 30.85 cM
<b>Gene Summary:</b>	Transaminase with broad substrate specificity. Has transaminase activity towards amino adipate, kynurenine, methionine and glutamate. Shows activity also towards tryptophan, aspartate and hydroxykynurenine. Accepts a variety of oxo-acids as amino-group acceptors, with a preference for 2-oxoglutarate, 2-oxocaproic acid, phenylpyruvate and alpha-oxo-gamma-methyl butyric acid. Can also use glyoxylate as amino-group acceptor (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]