

Product datasheet for **MG217180**

Adat3 (NM_001100606) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adat3 (NM_001100606) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Adat3
Synonyms: A430024H01Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217180 representing NM_001100606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCACCTCAGGCTTTCAGAGCAACCTGGGCCTGTGAAGGCTGAAAGTGAGGAGCAAGAGCCGG
 CGCAATGGCAAGCCCTCCCTGTCTGTCTGCGAGCAGCAGTCGGGGCCGTGGAGCTGATACTGGCCTATGC
 TGCACCTGTCTGGACAAGCGCCAGACGTCCCGCCTCCTCGGGAGGTGTCTGTCTATCCACTTCT
 GCCAGCCCCACCTCAAGCGGGTGCAGCCAGCCGAGTGCAGGAGGTGCACAGTCATCGGATCTGTCTG
 TGTGCTTGGCAGGGCCCTCCGCGGGCCCGCTCTCTGGCGGAGCTCCTCCAGCCGGCCGTGGACCC
 ACGTGGCCTGGGCACACCTTTCCTGGTGCCTGTGCCTGCCCGGCCCCCTCACCCGAAGCCAGTTTGAG
 GAGGCACGAGCCACTGGCCTACATCCTTCCATGAAGACAAGCAGGTGACCAGTGCCTGTGCCGGGCAAC
 TCTTCTCCACGCAGGAGCGAGCTGCCATGCAAACCCACATGGAACGGGCGGTATGTGCGGCCAGAGGGC
 AGCGGCTCAGGGGCTGCGGGCAGTGGGCGCCGTGCTGGTGGACCCAGCCTCGGACCGCGTGTGGCCACA
 GGCCATGACTGCAGCAGTGTAGCCAGCCCCCTGCTGCATGCCGTGATGGTGTGCATCGACCTGGTGGCC
 AGGGGCAGGGCCGCGTTCCTGTGACCTCAGAAGCCACCCGGCTGTCTCCTTACACAGGCCACTGCCAC
 TCAAGGTGCCCGAGCCGTTAGCGTGCAGCAAGCTGGATGAGGACAGCCTGCCCTATGTGTGCACTGGCTAT
 GACCTGTACGTACCCGAGAGCCCTGTGCATGTGTGCTATGGCCCTAGTCCATGCCCGCATCCAGCGAG
 TCTTCTATGGGGTCCCTCCCTGATGGTGCCTTGGGCACACTTCCGTGTCATGCTCGGCCAGACCT
 CAACCACCGCTTCCAGGTGTTCCGCGGTATTCTCGAGGACCAGTGCCGCCAGCTGGACCCGACCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217180 representing NM_001100606
 Red=Cloning site Green=Tags(s)

```
MEPTSGFAEQPGPVKAESEEQEPAQWQALPVLSEQQSGAVELILAYAAPVLDKRQTSRLLREVSAYVPLP
AQPHLKRVRPSRSAGGAQSSDLLLCLAGPSAGPRSLAELLPRPAVDPRGLGTPFLVPVPARPPLTRSQFE
EARAHWPTSFHEDKQVTSALAGQLFSTQERAAMQTHMERAVCAAQRAAAQGLRAVGAVVDPASDRVLAT
GHDCSSVASPLLHAVMVCIDLVAQGGQGRGSCDLRSH PACSFTQATATQGARAGSVRKLEDESLPYVCTGY
DLYVTREPCVMCAMLVHARIQRFVYFYGAPSPDGALGTLFRVHARPDNLNHRFQVFRGILEDQCRQLDPDP
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100606

ORF Size: 1047 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:

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_001100606.1](#), [NP_001094076.1](#)

RefSeq Size: 1413 bp

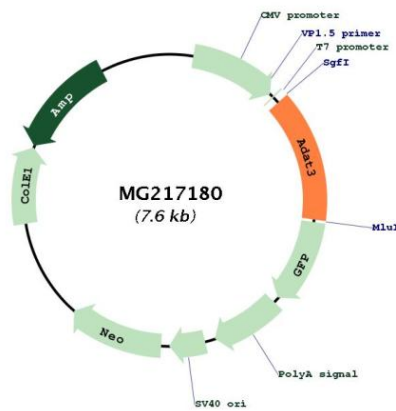
RefSeq ORF: 1050 bp

Locus ID: 100113398

UniProt ID: [Q6PAT0](#)

Cytogenetics: 10 C1

Product images:



Circular map for MG217180