

Product datasheet for **RN213490**

Aadat (NM_017193) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aadat (NM_017193) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aadat
Synonyms:	Kat2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213490 representing NM_017193
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAATTACTCAAGTTCCTCACTGCAACGAGCCTGGCCAGAAAGACATCCCCTATCAGAGCTACAGTGG
AGATAATGAGTAGAGCACCCAAAGACATCATCTCCCTGGCTCCTGGATCTCCGAACCCGAAAGTGTCCC
CTTTAAGTCAGCTGTCTTCACTGTGGAGAACGGAAGCACCATCCGTTTGAAGGAGAGATGTTTCAAAGG
GCCCTCCAATATTCCTCAAGCTATGGAATTCAGAACTTCTGTCTGGCTAAAACAGTTGCAAATAAAAT
TGCATAATCCTCCGACTGTCAACTACTACCCAACGAAGGACAGATGGACCTCTGCATCACATCTGGCTG
TCAAGACGGTCTGTGAAGGTGTTGAAATGCTCATCAATCCTGGAGACTGTTCTGGTCAATGAACCA
CTGTATTCAGGAGCCCTTTTGAATGAAACCACTGGGCTGCAATTTTATTAGTGTCCCCAGTGATGACT
GTGGGATTATCCAGAGGGTCTCAAAAAGTACTTTCCAGTGGAAACCAGAAGATTCCAAGGATCCAC
AAAAAGGACTCCAAAATTTCTGTATACTATTCCGAATGGCAACAACCTACAGGCAACTCGTTGACTGGT
GACCGCAAGAAAGAAATCTATGAGCTTGAAGAAATATGACTTCTCATAATAGAAGACGATCCTTACT
ATTTTCTCCAGTTCACCAAGCCTTGGAACCAACCTTTCTCTCCATGGATGTTGATGGGAGAGTTATCAG
AGCTGACTCCCTTTCAAAGTTATCTCCTCAGGGCTGAGAGTGGGGTTTAACTGGCCCAAGTCTTG
ATACAGAGGATTGTTCTCCACACACAAATCTCATCACTGCATCCCTGTACTTTATCACAGCTCATGATAT
CGGAGCTTCTATACCAGTGGGGAGAAGAGGGTTTCTGGCCCATGTTGACAGAGCTATTGATTTCTACAA
GAACCAGAGGGATTTTATATTGGCAGCTGCAGACAAGTGGTTACGTGGTTTGGCAGAGTGGCATGTTCCC
AAAGCTGGCATGTTTCTATGGATTAAGTTAACGGAATCTCTGATGCAAAAAAATAATTGAAGAAAAGG
CTATTGAAAGAGAGATCTTGTTAGTTCCTGGAAATAGTTTCTTCGTCGATAATTCAGCCCCCTCCTCT
CTTCAGAGCATCCTTCTCTCAGGTTACTCCAGCGCAGATGGACTTAGTCTTCCAGAGATTGGCCCAACTC
ATAAAAGACGTTTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3729_g07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_017193

Insert Size: 1278 bp

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).

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_017193.1](#), [NP_058889.1](#)
RefSeq Size: 1828 bp
RefSeq ORF: 1278 bp
Locus ID: 29416
UniProt ID: [Q64602](#)
Cytogenetics: 16p12
Gene Summary: endogenous modulator of glutamatergic neurotransmission with kynurenine aminotransferase (KAT) activity [RGD, Feb 2006]