

Product datasheet for **RN211466**

Kat7 (NM_181081) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kat7 (NM_181081) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Kat7
Synonyms:	Myst2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211466 representing NM_181081
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGATAGGTGTAAGAGAAAATGCAGGCAGTAGTTCAGATGGAACCGAAGATTCGGATTTTTCTACAG
 ATCTCGAGCATACAGACAGTTCAGAGAGTGACGGCACATCGCGCCGATCTGCCCGAGTCACCCGCTTTC
 AGCCAGGCTAAGCCAGAGTTCTCAAGATTCCAGCCCTGTTTCGAAATTTGCCATCTTTCGGCACTGAGGAA
 CCCGCCTATTCTACCAGAAGAGTGACTCGGAGTCAAGCAGAGCCACACCCAGTACTCCAAAAAGTACC
 CCCTCCGGCAGACTCGCTCCTCGGGCTCTGAAACGGAACAGGCGTTGATTTTTTCAGATAGAGAACTAA
 AAATACAGCTGATCATGATGAGTCGCCACCTCGAACTCCGACTGGAAATGCACCTTCTTCTGAGTCTGAC
 ATAGACATCTCCAGTCCAATGTGTCTCATGATGAGAGCATTGCCAAGGACATGTCCTGAAGGACTCAG
 GCAGTGATCTCTCACCGCCCAAGCGTCGTCGATTTACGAAAGCTACAATTTCAACATGAAGTGCCC
 TACGCCGGCTGCAACTCTTAGGACATCTACAGGAAAGCAGGAGACATTTTCCATCTCAGGATGC
 CCGCTGTATCATAACCTCTCGGCTGACGAGTGCAAGGTGAGAGCACAGAGCCGGGATAAGCAGATAGAAG
 AGAGGATGCTGTCCACAGGCAAGATGACAACAACAGGCATGCAACCAGGACCAGGCACCAACAGAGAG
 ACAGCTGCCGTATAAGGAAAAAGTGGCTGAACTCAGGAAGAAAAGAAATTTCTGGACTGAGCAAAGAGCAG
 AAAGAGAAATACATGGAACACAGACAGACCTATGGGAACACTCGGGAGCCTCTCTTGAAAACTGACGA
 GTGAATATGACTTAGATCTTTTCCGAAGAGCACAAAGCCCGGGCTTCTGAGGATTTGGAGAAGTTAAGGCT
 TCAAGGCCAAATCACAGAGGGAAGCAACATGATTAACAATGCTTTTGGCCGCTACGAGCTGGATACT
 TGGTACCATTCTCCCTATCCTGAAGAATATGCACGACTGGGACGCTCTACATGTGTGAATCTGCTTAA
 AATACATGAAGAGCCAAACGATTCTCCGCCGACACATGGCCAAGTGTGTGGAACACCCCCCTGGTGA
 TGAGATTTATCGCAAAGGCTCCATCTCTGTGTTTGAAGTAGATGGCAAGAAAAACAAGATCTACTGCCAA
 AACCTCTGCCTTTTGGCGAAGCTTTTTCTGGACCATAAGACCTTATACTACGATGTAGAGCCCTTCTGT
 TCTACGTTATGACAGAAGCAGACAATACTGGTGCACCTGATTGGATATTTTTCTAAGGAGAAGAATTC
 ATTTCTCAACTACAATGTCTCCTGTATTCTCACCATGCCTCAGTACATGAGACAGGGCTATGGGAAGATG
 CTCATTGACTTCAGTTATTTACTTTCCAAGGTAGAAGAGAAAGTTGGCTCTCCGGAACGCCCACTGTCAG
 ACCTGGGGCTTAAAGCTACCGCAGCTACTGGAAGGAAGTACTGCTCCGGTACCTGCACAACCTCCAGGG
 CAAGGAGATCTCCATCAAAGAAATAGCCAGGAAACAGCTGTGAATCCCGTGGACATTGTCAGCACTCTG
 CAAGCCCTCAGATGCTCAAGTATTGGAAGGGGAAGCACCTAGTTTTAAAGAGACAGGACCTGATAGATG
 AATGGATCGCAAAGAGGCCAAAAGGTCCAACCTCAACAAAACCATGGATCCAAGCTGCTTAAAATGGAC
 CCCTCCAAGGGCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_181081

Insert Size: 1839 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_181081.2](#), [NP_851595.1](#)

RefSeq Size: 3441 bp

RefSeq ORF: 1839 bp

Locus ID: 303470

UniProt ID: [Q810T5](#)

Cytogenetics: 10q26

Gene Summary: putative histone acetyltransferase [RGD, Feb 2006]