

Product datasheet for **RN215033**

Retsat (NM_145084) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Retsat (NM_145084) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Retsat
Synonyms:	Rmt7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215033 representing NM_145084
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGATCACTGCTCTGCTGCTGGTCTGCTGCTGGTGGTGGTTCACAGGGTTTATGTGGCCTTT
 TCACCGAAGTTCCTCGAACCCTTCGCTGAGGATGTCAAGCGGCCACCTGAACCCTAGTGACCGACAA
 GGAGGCTAGGAAGAAAGTTCTCAAACAAGCTTTCTCAGTCAGCCGAGTACCAGAGAAGCTGGACGCAGTG
 GTGATTGGCAGCGGCATTGGGGGACTGGCCTCAGCTGCGGTTCTAGCTAAAGCTGGCAAGAGAGTCTTTG
 TGCTGGAACAACACCAAGGCAGGCGGCTGTTGTACATCCTTTGGGAAAATGGCCTTGAATTTGACAC
 TGGAAATCATTATATTGGACGAATGCGGGAGGGCAACATTGGCCGTTTCATCTTGGACCAGATCACCGAA
 GGGCAACTGGACTGGGCCCTATGGCCTCCCTTTTGACTTGATGATACTAGAAGGACCCAATGGCCGAA
 AGGAGTTCCTCATGTACAGTGGGAGGAAAGAATACATCCAGGGCCTTAAGGAGAAGTTCCCAAGGAAGA
 GGCTGTCAATTGACAAATACATGGAGCTGGTTAAGGTGGTGGCCATGGAGTCTCTCATGCCATCCTACTG
 AAGTTCCTCCCATTTGCCCTTACTCAGCTCCTCAACAAGTTGGGCTGCTGACTCGTTTTTCTCCATTCT
 GCCGAGCGTCTACTCAGAGCCTAGCTGAAGTCTGAAACAGCTTGGGGCTTCCCTGAGCTCCAGGCTGT
 TCTTAGCTACATTTTACCCACTTACGGAGTAACCCCGAGCCATACCACCTTTTCTTGCACGCTCTGCTG
 GTTGACCACTACATAAAGGGGCATATTACCCCGACGGGGCTCCAGTGAGATTGCTTTCCATACCATCC
 CTTTGATTGAGCGGGCCGGGGGCGCTGTCTCACCAGGGCCACCGTACAGAGTGTGCTGCTGGACTCAGC
 TGGGAGAGCGTGGGTGTGAGTGAAGAAGGGACAAGAGCTGGTGAACATCTACTGCCAGTTGTGATC
 TCCAATGCGGGAATGTTCAATACCTATCAGCACCTGTTGCCAGAGTCTGTCCGCTACCTGCCAGATGTGA
 AGAAGCAGCTGACAATGGTAAAGCCTGGTTTGGCATGCTGTCAATTTTCTGCTGAAGGGCACCAA
 GGAGGAGCTCAAGCTTCAAGTCCACCAACTACTATGTTTTATTTTGACACAGACATGGACAAAAGCGATGGAG
 TGCTATGTCTCTATGCCAAGGAAAAGGCTCCAGAACACATTCCCTTCTTTCATTCCCTTCCCATCAA
 GCAAGGATCCAACCTGGGAGGACCGATTCCAGACCGATCCACAATGACTGTCTGGTACCCACGGCCTT
 TGAATGGTTCGAGGAGTGGCAGGAGGAGCCTAAGGGCAAGCGAGGTGTTGACTATGAGACCTCAAAAAT
 ACCTTCCGGGAAGCCTCTATGTCGGTGATCATGAAACTGTTCCACAGCTGGAAGGCAAGGTGGAGAGTG
 TGACTGGAGGATCCCACTGACCAACCAGTACTATCTGGCTGCACACCGAGGAGTACTTATGGGGCTGA
 CCATGACCTGGCTCGTCTGCATCCTCATGCAATGGCTTCCCTAAGAGCCAAACCCCATCCCAACCTC
 TACCTGACAGGCCAAGATATCTTACCTGTGGGCTGATGGGGCCCTGCAAGGGCCCTGCTGTGCAGCA
 GTGCCATCTGAAACGGAACCTGTACTCAGATCTGCAGGCTCTTGCTCAAAGGTGAGGGCACAAAAGAA
 GAAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_145084

Insert Size: 1830 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_145084.1](#), [NP_659552.1](#)

RefSeq Size: 1855 bp

RefSeq ORF: 1830 bp

Locus ID: 246298

UniProt ID: [Q8VHE9](#)

Cytogenetics: 4q31

Gene Summary: mRNA displays differential expression in methylnitrosourea-induced mammary carcinomas [RGD, Feb 2006]