

Product datasheet for **RR215033**

Retsat (NM_145084) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR215033 representing NM_145084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGATCACTGCTCTGCTGCTGGTCTGCTGCTGCTGGTGGTCTTACAGGGTTTATGTGGCCTTT
 TCACCGGAAGTTCCCGAACCCCTTCGCTGAGGATGTCAAGCGGCCACCTGAACCCCTAGTGACCGACAA
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 GTGATTGGCAGCGGCATTGGGGGACTGGCCTCAGCTGCGGTTCTAGCTAAAGCTGGCAAGAGAGTCTTTG
 TGCTGGAACAACACCAAGGCAGGCGGCTGTTGTACACCTTTGGGAAAATGGCCTTGAATTTGACAC
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 TACCTGACAGGCCAAGATATCTTACCTGTGGGCTGATGGGGCCCTGCAAGGGCCCTGCTGTGCAGCA
 GTGCCATCTGAAACGGAACCTGTACTCAGATCTGCAGGCTCTTGCTCAAAGGTGAGGGCAAAAAGAA
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Protein Sequence:

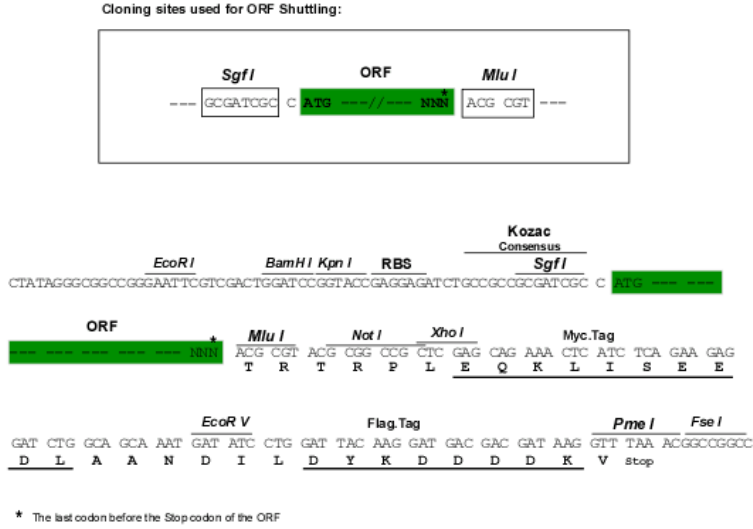
>RR215033 representing NM_145084
 Red=Cloning site Green=Tags(s)

MWITALLLVVLLLVVHRVYVGLFTGSSPNPFAEDVKRPEPELVTDKEARKKVLKQAFSVSRVPEKLDVA
 VIGSGIGGLASAAVLAKAGKRVLVLEQHTKAGGCCHTFGENLEFDTGIHYIGRMREGNIGRFILDQITE
 GQLDWAPMASPFDLMILEGPNRKEFPMYSGRKEYIQGLKEKFPKEEAVIDKYMELVKVVAHGVSHAILL
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 SNAGMFNTYQHLLPESVRYLPDVKKQLTMVKPGLSMLSIFICLKGTKELKQLSTNYYVYFDTDMDKAME
 CYVSMPEKAPHEIPLLFIPFPSSKDPWEDRFPDRSTMTVLVPTAFEFWEQEEPKGKRGVDYETLKN
 TFRASMSVIMKLPQLEGKVESVTGGSPLTNQYYLAAHRGATYGADHDLARLHPHAMASLRAQTPIPNL
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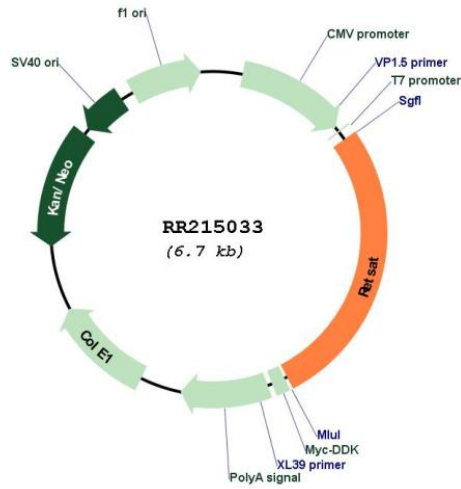
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145084

ORF Size: 1827 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:	<ol style="list-style-type: none">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
MW:	67.5 kDa
Gene Summary:	mRNA displays differential expression in methylnitrosourea-induced mammary carcinomas [RGD, Feb 2006]