

Product datasheet for **RR206939**

Thyn1 (NM_001007661) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thyn1 (NM_001007661) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Thyn1
Synonyms: MGC72984
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206939 representing NM_001007661
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCGAGACCCCGAAGAGGCAGGCTGGGGCCGCTGGTCCAGACAAGAAGCAGCTATCTGAAAACGCA
CCAAAACCTGAAAACCTCAGAAAGTGCATCAGTTAAGCTAGAGAATTCAGCCTTGAGAAGACTACAACCTT
TAAAACCTGTGGCAAAAACCTTAAGCAACTACTGGCTGATGAAGTCAGAGCCAGAAAAGCCGGCTAGAGAAA
GGTATAGACATGAAGTTCAGCATCGAGGATCTCCAAGCACAGCCCAAGCAGACAACCTTGCTGGGATGGTG
TTCGCAACTATCAGGCTTGAACCTCCTCAGGGCCATGAAACTGGAGGATGAAGCCTTCTTACCATAG
CAACTGCAAAACAGCCAGGCATCGTGGGACTTATGAAGATTGTAAGGAGGCTTACCCAGATCATAACAG
TTTGAGAAAAATGACCCCATACGATCCATCCAGCAAAGAGGACAACCCTAAATGGTCAATGGTGGATG
TACAGTTTGTTCGGATGATGAAGCGTTCATCTCCCTGGATGAGCTGAAAACCTATCACCAAGCCCAAA
AGCAACTGGTGGTCCCTTAAAAGCATGACTCTTCCACCGCCAGAGACTTTTTCAGTTTTCAGCCTCTGACT
CAAGAAGAATTTGATTTTATTTTGAGCCTGGAGGAAGCAGAACCAAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206939 representing NM_001007661
Red=Cloning site Green=Tags(s)

MPPRRKRQAGAAGPDKKQLSGKRTKTENSESASVKLENSLEKTTTFKTCGKNLSNYWLMKSEPEsrLEK
 GIDMKFSIEDLQAQPKQTTCWDGVRNYQAWNFLRAMKLEDEAFFYHSNCKQPgIVGLMKIvKEAYPDHTQ
 FEKNDPHYDPPSSKEDNPKWsmVDVQFVRMMKRFISLDELKTYHQAHKATGGPLKsMTLFTRQRLsvQPLT
 QEEDFDILSLEEAEPs

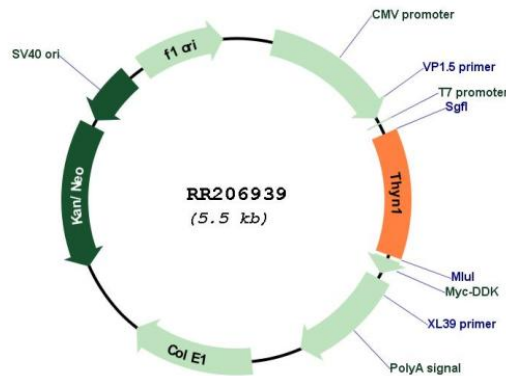
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007661

ORF Size: 678 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_001007661.2 , NP_001007662.1
RefSeq Size:	1049 bp
RefSeq ORF:	681 bp
Locus ID:	300470
UniProt ID:	Q6P3E0
Cytogenetics:	8q13
MW:	26.1 kDa
Gene Summary:	Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC.[UniProtKB/Swiss-Prot Function]