

Product datasheet for **RN206939**

Thyn1 (NM_001007661) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Thyn1 (NM_001007661) Rat Untagged Clone
Tag: Tag Free
Symbol: Thyn1
Synonyms: MGC72984
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN206939 representing NM_001007661
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGAGACCCCGAAGAGGCAGGCTGGGGCCGCTGGTCCAGACAAGAAGCAGCTATCTGGAAAACGCA
CCAAAACCTGAAAACCTCAGAAAGTGCATCAGTTAAGCTAGAGAATTCAGCCTTGAGAAGACTACAACCTT
TAAACCTGTGGCAAAAACCTTAAGCAACTACTGGCTGATGAAGTCAGAGCCAGAAAGCCGGCTAGAGAAA
GGTATAGACATGAAGTTCAGCATCGAGGATCTCCAAGCACAGCCCAAGCAGACAACCTGCTGGGATGGT
TTCGCAACTATCAGGCTTGAACCTCCTCAGGGCCATGAAACTGGAGGATGAAGCCTTCTTCTACCATAG
CAACTGCAAAACAGCCAGGCATCGTGGGACTTATGAAGATTGTAAGGAGGCTTACCCAGATCATACACAG
TTTGAGAAAAATGACCCCAATTACGATCCATCCAGCAAAGAGGACAACCCATAATGGTCAATGGTGGATG
TACAGTTTGTTCGGATGATGAAGCGCTTCATCTCCCTGGATGAGCTGAAAACCTATCACCAAGCCCAAA
AGCAACTGGTGGTCCCTTAAAAAGCATGACTCTTTCACCCGCCAGAGACTTTCAGTTTCAGCCTCTGACT
CAAGAAGAATTTGATTTTATTTTGGCCTGGAGGAAGCAGAACCAAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007661
Insert Size: 681 bp



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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:	<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:	<u>NM_001007661.2</u> , <u>NP_001007662.1</u>
RefSeq Size:	1049 bp
RefSeq ORF:	681 bp
Locus ID:	300470
UniProt ID:	<u>Q6P3E0</u>
Cytogenetics:	8q13
Gene Summary:	Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC.[UniProtKB/Swiss-Prot Function]