

Product datasheet for **RR204206**

Tyms (NM_019179) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tyms (NM_019179) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tyms
Synonyms: MGC156654
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204206 representing NM_019179
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGTTGAAGGCTCTGAGCTGCAGTCCGGTGTCAACAGCCACGCACGGAAGCCCCGCAGCATGGAG
AACTCCAGTACCTGAGGCAGGTGGAGCACATTATGCGCTGCGGCTCAAGAAGGAGGACCGCACGGGCAC
TGGCACCTGTGGTGTTCGGCATGCAGGCACGGTACAGCCTGAGAGATGAATTTCTCTGCTCACAAAC
AAACGAGTATTCTGGAAGGGTGTTCGGAGGAGTTGTTGTGGTTTATTAAGGGCTCCACAAATGCTAAAG
AACTGTCTCCAAGGGAGTGAGAATTTGGGATGCCAATGGGTCCCAGACTTTTTGGACAGCTTGGGATT
CTCTGCCCGACAGGAAGGAGACCTGGGCCAGTTTATGGATTCCAGTGGAGACATTTTGGAGCAGACTAC
AAAGATATGGATTGAGTACTCGGGTCAAGGAGTAGACCAGCTGCAAAAAGTGATTGACACCATCAAAA
CCAACCCCGATGACAGAAGAATCATCATGTGTGCCTGGAACCCAAAAGATCTTCCCTGATGGCACTGCC
TCCTTGCCATGCCCTCTGTCAATTTTATGTGGTGAATGGGGAGCTGTCTTCCAGCTTTACCAGCGGTCA
GGAGATATGGGTCTGGGTGTGCCCTTCAACATTGCCAGCTATGCTCTGCTGACCTACATGATTGCACATA
TCACGGGCTGCAGCCGGTGAATTTGTCATACTTTGGGAGATGCACACATTTATCTGAATCATATTGA
GCCACTGAAAATTCAGCTACAGCGAGAACCAAGACCTTTCCCAAAGCTCAGAATCCTCCGAAAAGTTGAG
ACAATCGATGATTTCAAAGTTGAAGACTTTCAGATTGAAGGGTATAATCCACATCCAACGATTAATG
AAATGGCTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR204206 representing NM_019179
 Red=Cloning site Green=Tags(s)

MLVEGSELQSGAQPRTEAPQHGE LQYLRQVEHIMRCGFKKEDRTGTGTL SVFGMQARYSLRDEFPLLT
 KR VFWKGVLEELLWF IKGSTNAKELSSKGVRIWDANGSRDFLDSLGF SARQEGDLGPVYGFQWRHFGADY
 KDMDSYSGQGV DQLQKV IDTIKTNPDDRRRIIMCAWNP KDLPLMALPPCHALCQF YVVGELSCQLYQRS
 GDMGLGVPFN IASYALLTYMIAHITGLQPGDFVHTLGD AHIYLNHIEPLKIQ LQREPRPFPKLRILRKVE
 TIDDFKVEDFQIEGYNPHPTIKMEMAV

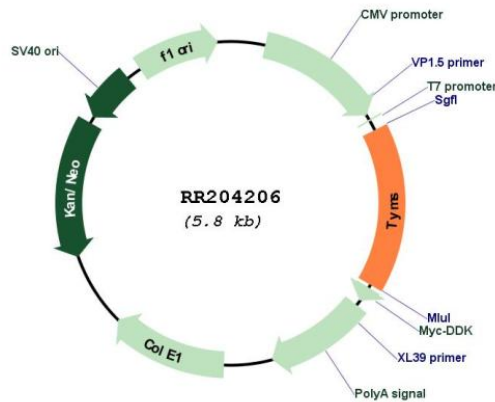
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019179

ORF Size: 921 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_019179.1 , NP_062052.1
RefSeq Size:	1598 bp
RefSeq ORF:	924 bp
Locus ID:	29261
UniProt ID:	P45352
Cytogenetics:	9q38
MW:	35 kDa
Gene Summary:	catalyzes the reductive methylation of dUMP to dTMP using CH ₂ H ₄ PteGlu as both the methyl donor and reductant [RGD, Feb 2006]