

Product datasheet for RN204206

Tyms (NM_019179) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tyms (NM_019179) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tyms
Synonyms:	MGC156654
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204206 representing NM_019179 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGTTGAAGGCTCTGAGCTGCAGTCCGGTGCTCAACAGCCACGCACGGAAGCCCCGCAGCATGGAG
AACTCCAGTACCTGAGGCAGGTGGAGCACATTATGCGCTGCGGCTTCAAGAAGGAGGACCGCACGGGCAC
TGGCACCTGTCGGTGTTCCGGCATGCAGGCACGGTACAGCCTGAGAGATGAATTTCTCTGCTCACAAACC
AAACGAGTATTCTGGAAGGGTGTGGAGGAGTTGTTGTGGTTATTAAGGGCTCCACAAATGCTAAAG
AACTGTCTCCAAGGGAGTGAGAATTTGGGATGCCAATGGTCCCGAGACTTTTTGGACAGCTTGGGATT
CTCTGCCCCGACAGGAAGGAGACCTGGGCCAGTTTATGGATTCCAGTGGAGACATTTTGGAGCAGACTAC
AAAGATATGGATTGAGATTACTCGGGTCAAGGAGTAGACCAGCTGCAAAAAGTGATTGACACCATCAAAA
CCAACCCCGATGACAGAAGAATCATCATGTGTGCCTGGAACCCAAAAGATCTTCCCTGATGGCACTGCC
TCCTTGCCATGCCCTCTGTCAATTTATGTGGTGAATGGGAGCTGTCTTGCCAGCTTACCAGCGGTCA
GGAGATATGGGTCTGGGTGTGCCCTTCAACATTGCCAGCTATGCTCTGCTGACCTACATGATTGCACATA
TCACGGGCTGCAGCCGGGTGATTTGTCCATACTTTGGGAGATGCACACATTTATCTGAATCATATTGA
GCCACTGAAAATTCAGCTACAGCGAGAACAAGACCTTTCCCAAAGCTCAGAATCCTCCGAAAAGTTGAG
ACAATCGATGATTTCAAAGTTGAAGACTTTCAGATTGAAGGGTATAATCCACATCCAACGATTAATAATGG
AAATGGCTGTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_019179



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Insert Size:	924 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:	<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
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]