

Product datasheet for **RN209136**

Tymp (NM_001012122) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tymp (NM_001012122) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tymp
Synonyms:	Ecgf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209136 representing NM_001012122
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCTCCAGGGACACCACCTCCCTTGGCCCCAGAGACAGCTGGTGCCGACTCGGGGGAGGGAGTG
GGGAGCACAGGCAGCTGCCAGAGCTGATCCGCCTCAAGCGAAATGGAGGGCATCTGAGCGAAGCAGATAT
CAGAAACTTCGTGCACGCGTTGATGGACGGAAGAGCACAGGACACAAAATCGGGGCCATTGCTGATGGCC
ATTCGGCTGCAAGGCATGGACCTAGAGGAGACATCTGTGTTGACTCAGGCCCTCGCAGAGTCTGGGCAGC
AACTGGAGTGGCCCAAGGCCTGGCACCAGCAGCTTGTGGACAAACACTCCACAGGAGGTGTGGCGATAA
GGTTAGCTGTTCTGGCACCTGCCCTGGCTGCATGTGGCTGCAAGGTACCAATGATCAGCGGACGCAGT
TTGGGACACACAGGGGACGCTGGATAAACTGGAATCTATTCTGGTTTCAGCGTCACCCAGAGCCAG
AACAGATGCTGCAGATACTTGAGGAAGTCGGCTGCTGCATTGTTGGCCAGAGTAAAAGCTAGTTCCTGC
TGATGGAATCCTGTATGCTGCACGAGATGTGACAGCTACTGTGGACAGTGTACCGCTCATTACAGCGTCA
ATCCTCAGTAAGAAAGCCGTGGAGGGACTGTCCACTCTGGTGGTAGATGTTAAGTTTGGGGGGGCTGCAG
TCTTCCAGACCAGGAGAAGGCCCGAGAAGTGGCAAAGATGTTGGTTAGAGTGGGAATGGGTCTGGGGCT
GCAGGTTGCTGCAGCCCTGACCGCCATGGACAACCTCTGGCCGCAACGTGGGTATACCCCTGGAAGTG
GAAGAAGCGTTGCTTTCCTGGATGGTGCAGGGCCGCGGATCTCGGGACCTGGTCATTAGGCTAGGAG
GCGCCATTCTTTGGCTTAGCGGACAGGCAGAAACCCAAGACCAGGGTCCCGCCGAGTGGCCGCGGCGTT
GGATGATGGCTCTGCGCTGCACCGCTCCAGCTGATGCTTTGCGCGCAGGGCGTAGACCCCGCCTAGCT
AGAGCATTGTGCTCCGGAAGCCCCACGCAACCGCGCAGTTGCTGCCTCACGCCGAAAGCAAGAAGAGC
TGCTCTCACCGGCAGACGGCATTGTGGAGTGCCTCCGAGCGCTGCCGCTGGCCTGTGACTGCAGGAGCT
CGGAGCCGGACGCAGCCGAGCAGGGCAGCCGATCAGACCAGGAGTGGGTGCCGAACACTGGTTCGACGCTG
GGCCAATGTTGTCCCGCGGGACACCCTGGCTCCGCGTGCACCTGGACGCCCCGCGCTCAGCAGTCAGC
AGCGCCGCACTCTTCTGGGGGCTCTCGTGTGTCAGATCGAGCACCTTCAAGGCCCTTACCCTTCG
TGAGCTTGTCTCCACCGACCACCCCA**TAG**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001012122

Insert Size: 1431 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:

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_001012122.1, NP_001012122.1</u>
RefSeq Size:	2395 bp
RefSeq ORF:	1431 bp
Locus ID:	315219
UniProt ID:	<u>Q5FVR2</u>
Cytogenetics:	7q34
Gene Summary:	Catalyzes the reversible phosphorolysis of thymidine. The produced molecules are then utilized as carbon and energy sources or in the rescue of pyrimidine bases for nucleotide synthesis (By similarity).[UniProtKB/Swiss-Prot Function]