

Product datasheet for **RR209136**

Tymp (NM_001012122) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR209136 representing NM_001012122
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTCCAGGGACACCACCTCCCTTGGCCCCAGAGACAGCTGGTGCCGACTCGGGGGAGGGAGTG
 GGGAGCACAGGCAGCTGCCAGAGCTGATCCGCCTCAAGCGAAATGGAGGGCATCTGAGCGAAGCAGATAT
 CAGAAACTTCGTGCACGCGTTGATGGACGGAAGAGCACAGGACACAAAATCGGGGCCATTGCTGATGGCC
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 AACTGGAGTGGCCAAGGCCTGGCACCAGCAGCTTGTGGACAAACACTCCACAGGAGGTGTGGCGATAA
 GGTTAGCTGTTCTGGCACCTGCCCTGGCTGCATGTGGCTGCAAGGTACCAATGATCAGCGGACGCAGT
 TTGGGACACACAGGGGACGCTGGATAAACTGGAATCTATTCTGGTTTCAGCGTCACCCAGAGCCAG
 AACAGATGCTGCAGATACTTGAGGAAGTCGGCTGCTGCATTGTTGGCCAGAGTAAAAGCTAGTTCCTGC
 TGATGGAATCCTGTATGCTGCACGAGATGTGACAGCTACTGTGGACAGTGTACCGCTCATTACAGCGTCA
 ATCCTCAGTAAGAAAGCCGTGGAGGGACTGTCCACTCTGGTGGTAGATGTTAAGTTTGGGGGGGCTGCAG
 TCTTCCAGACCAGGAGAAGGCCCGAGAACTGGCAAAGATGTTGGTTAGAGTGGGAATGGGTCTGGGGCT
 GCAGGTTGCTGCAGCCCTGACCGCCATGGACAACCTCTGGCCGCAACGTGGGTATACCCCTGGAAGTG
 GAAGAAGCGTTGCTTTGCCTGGATGGTGCAGGGCCGCGGATCTGCGGGACCTGGTCATTAGGCTAGGAG
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 GGATGATGGCTCTGCGCTGCACCGCTCCAGCTGATGCTTTGCGCGCAGGGCGTAGACCCCGGCTAGCT
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 TGCTCTCACCGGCAGACGGCATTGTGGAGTGCCTCCGAGCGCTGCCCTGGCCTGTGACTGCACGAGCT
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 AGCGCCGCACTCTTCTGGGGGCTCTCGTGTGTCAGATCGAGCACCTTCAAGGCCCTTACCCTTCGC
 TGAGCTTGTCTCCACCGACCACCCCA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209136 representing NM_001012122
 Red=Cloning site Green=Tags(s)

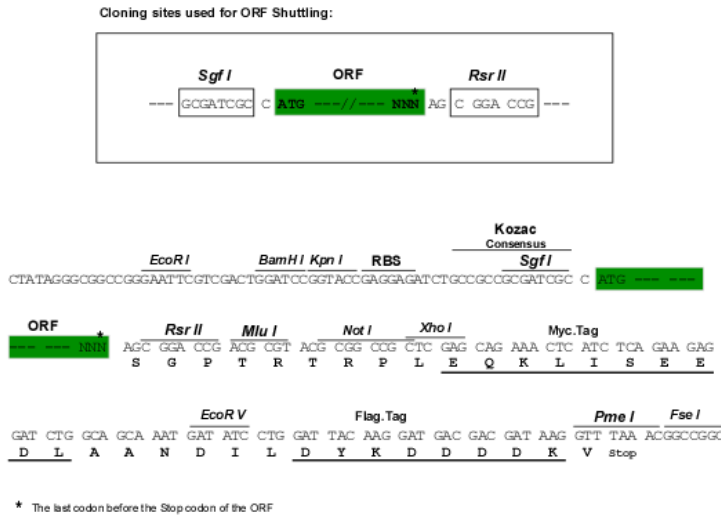
MAAPGTPPPLAPETAGADSGGSGEHRQLPELIRLKRNGGHLSEADIRNFVHALMDGRAQDTQIGAMLMA
 IRLQGMDEETSVL TQALAESGQLEWPKAWHQQLVDKHSTGGVGDVSLV LAPALAACGCKVPMISGRS
 LGHTGGTLDKLESIPGFSVTQSPEQMLQILEEVGCCIVGQSEKLV PADGILYAARDVTATVDSVPLITAS
 ILSKKAVEGLSTLVVDVKFGGAAVFPDQEKARELAKMLVRVGMGLGLQVAAAL TAMDNPLGRNVGHTLEV
 EEALLCLDGAGPPDLRDLVIRLGGAILWLSGQAETQDQGAARVAAALDDGSALHRFQLMLSAQGVDPGLA
 RALCSGSPTQRRQLLPHARKQEELLSPADGIVECYRALPLACVLHEL GAGRSRAGQPIRPGVGAELLVDV
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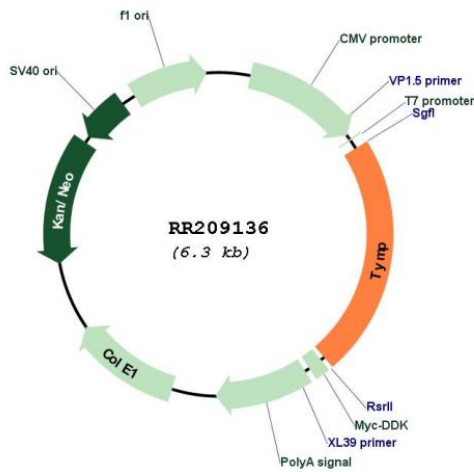
Restriction Sites:

SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012122

ORF Size: 1428 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:

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_001012122.1](#), [NP_001012122.1](#)

RefSeq Size: 2395 bp

RefSeq ORF: 1431 bp

Locus ID: 315219

UniProt ID: [Q5FVR2](#)

Cytogenetics: 7q34

MW: 49.9 kDa

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]