

Product datasheet for **MR216176**

Tymp (NM_138302) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tymp
Synonyms:	2900072D10Rik; Ecgfl; PD-ECGF; PDECGF; Pdgfec
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR216176 representing NM_138302
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCTCCAGGGACACCACCTCCCTCGGCCTCAGGGGAGGAGGTGGGGAGCCAGGCAGCTGCCTG
 AGCTGATCCGCCTGAAGCGAGATGGAGGGCATCTGAGAGAAGCAGATATCAGAACTTCGTGCACGCGGT
 GATAGATGGAAGAGCACAGGACACAAATTTGGGGCCATGCTAATGGCCATTTCGGTGCAGGGAATGAAC
 CTAGAAGAGACATCTGTGCTGACTCGGGCCCTTGACAGAGTCTGGGCAGCAACTGGAGTGGCCCAAAGCCT
 GGCACCAGCAGCTTGTGACAAACTCCACAGGAGGTGTGGGTGACAAGGTTAGCCTGGTTCTGGCACC
 TGCCCTGGCTGCATGCGGTGTAAAGTGCCAATGATCAGCGGCCGAGTCTGGGACACACAGGGGGCACA
 CTGGATAAGCTGGAATCGATTCTGGGTTTCGGTGTCAACCCAGAGCCAGAGCAGATGCTGCACATCCTTG
 AGGAAGTCGGCTGCTGATTGTGCGCCAGAGTCAAAGCTGGTTCTGCTGATGGGATCCTGTATGCTGC
 ACGAGATGTGACAGCCACTGTGGCAGTGTCCCACTCATTACAGCTTCAATCCTCAGTAAGAAGGCCGTG
 GAGGGACTGTCCACTCTGGTGGTAGATGTTAAGTTTGGGGAGCTGCAGTCTTCCAGACCAAGGAGAAGG
 CCCGAGAACTGGCAAAGATGTTGGTTAGAGTGGGAGTGAAGGTGCGCCGACGCCCTGAC
 CGCCATGGATAAACCCTCTGGGCGCAGCGTGGGCCATACCTGGAGGTGGAAGAAGCGTTGCTTTGCCTG
 GATGGTGGGGGCCCGCGGATCTGCGGGACCTGGTCTTAGGCTAGGAGGCCCATTTCTTTGGATTAGCG
 GACAGGCGGAAACACAAGACCAAGGCGCCGCCGAGTGGCCGCGCGTTGGATGACGGCTCCGCGCGGCG
 CCGCTTCCAGCTGATGCTTTCGGCGCAGGGCGTGGACCCGCGCTAGCTAAAGCATTGTGCTCGGGAGC
 CCCACGCAACGCCGCGAGCTGCTGCCTCACGCCGAGAGCAAGAGGAGCTGCTCGCACCGGCAGACGGCA
 TTGTTGAGTGCCTCGAGCGTGGCGCTGGCCGTGTGCTGCACGACCTCGGAGCCGGACGACGCCGAGC
 GGGGACGCCGATCAGACCGGAGTGGGTGCCGAGGTACTGGTGCAGCTGGGCCAGTGTGTTGTCGAGGG
 ACACCTGGCTCCGCGTGCACCTAGACGGCCCTGCGCTCAGCAGTCAAGCAGCAGCAGTCTCCAGGGGG
 CGCTCGTGCTATCAGATCGAGCACCTTCAAGGTCCCTTCAACCTTCGCTGAATTGCTCTCCACCGAC
 CATCGCACAGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216176 representing NM_138302
 Red=Cloning site Green=Tags(s)

MAAPGTPPPSASGGGGGEPRQLPELIRLKRDDGGHLREADIRNFVHAVIDGRAQDTQIGAMLMAIRLQGMN
 LEETSVLTRALAESGQQLLEWPKAWHQQLVDKHSTGGVGDVSLVLAPALAACGCKVPMISGRSLGHTGGT
 LDKLESIPGFVGTQSPEQMLHILEEVGCCIVGQSACLVPADGILYAARDVTATVDSVPLITASILSKKAV
 EGLSTLVVDVKFGGAAVFPDQEKARELAKMLVRVGVSLGLKVAAALTAMDNPLGRSVGHTEVEEALLCL
 DGAGPPDLRDLVIRLGGAILWISGQAEQDQGAARVAAALDDGSARRRFQLMLSAQGVDPGLAKALCSGS
 PTQRRQLLPHAREQEELLAPADGIVECVRALPLARVLHDLGAGRSRAGQPIRPGVGAELVDVGQCLSRG
 TPWLRVHLDGPALSSQRRRLQGALVLSRAPFKVPSPFAELVLPPTIAQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9039_c07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138302

ORF Size: 1413 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.

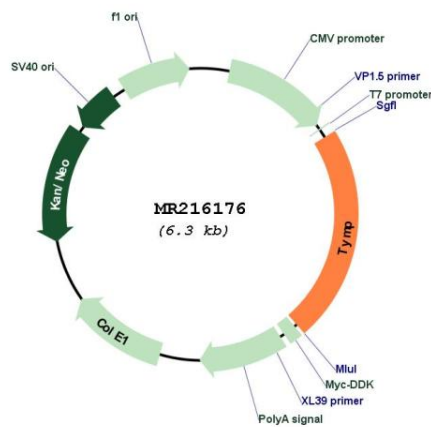
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_138302.2](#)

RefSeq Size: 2042 bp

RefSeq ORF:	1416 bp
Locus ID:	72962
UniProt ID:	Q99N42
Cytogenetics:	15 44.86 cM
MW:	49.8 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]

Product images:



Circular map for MR216176