

Product datasheet for **MG216176**

Tymp (NM_138302) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tymp (NM_138302) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tymp
Synonyms:	2900072D10Rik; Ecgf1; PD-ECGF; PDECGF; Pdgfec
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216176 representing NM_138302
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTCCAGGGACACCACCTCCCTCGGCCTCAGGGGAGGAGGTGGGGAGCCAGGCAGCTGCCTG
 AGCTGATCCGCCTGAAGCGAGATGGAGGCATCTGAGAGAAGCAGATATCAGAACTTCGTGCACCGGT
 GATAGATGGAAGAGCACAGGACACAAAATTGGGGCCATGCTAATGGCCATTCGGCTGCAGGGAATGAAC
 CTAGAAGAGACATCTGTGCTGACTCGGGCCCTGCAGAGTCTGGGCAGCAACTGGAGTGGCCAAAGCCT
 GGCACCAGCAGCTTGTGACAAACTCCACAGGAGGTGTGGGTGACAAGTTAGCTGGTTCTGGCACC
 TGCCCTGGCTGCATGCGGCTGTAAGGTGCCAATGATCAGCGGCCGAGTCTGGGACACACAGGGGCACA
 CTGGATAAGCTGGAATCGATTCTGGGTCGGTGTCAACCAGAGCCAGAGCAGATGCTGCACATCCTTG
 AGGAAGTCGGCTGCTGCATTGTCGGCCAGAGTCAAAGCTGGTTCCTGCTGATGGGATCCTGTATGCTGC
 ACGAGATGTGACAGCCACTGTGGACAGTGTCCACTCATTACAGTTCATCCTCAGTAAGAAGGCCGTG
 GAGGGACTGTCCACTCTGGTGGTAGATGTTAAGTTTGGGGGAGCTGCAGTCTCCAGACCAGGAGAAGG
 CCCGAGAAGTGGCAAAGATGTTGGTTAGAGTGGGAGTGAGCCTGGGGCTGAAGGTCGCCGAGCCCTGAC
 CGCCATGGATAACCCTCTGGGCCGAGCGTGGCCATACCCTGGAGGTGGAAGAAGCGTTGCTTTGCCTG
 GATGGTGCGGGGCCCGGATCTGCGGGACCTGGTCATTAGGCTAGGAGGCGCCATTCTTTGGATTAGCG
 GACAGGCGGAAACACAAGACCAAGGCGCCCGGAGTGGCCGCGGCGTTGGATGACGGCTCCGCGCGGGC
 CCGCTCCAGCTGATGCTTTCGGCGCAGGGCGTGGACCCCGCCTAGCTAAAGCATTGTGCTCCGGGAGC
 CCCACGCAACGCCGCGAGCTGCTGCCTCAGCCGAGAGCAAGAGGAGCTGCTCGCACCGGACGAGCGAGC
 TTGTTGAGTGCCTCCGAGCGCTGCCCTGGCCGTGTGCTGCACGACCTCGGAGCCGACGAGCGAGCG
 GGGCAGCCGATCAGACCGGGAGTGGGTGCCGAGGTAAGTGGTGCAGCTGGGCCAGTGTGTTGCCGAGGG
 ACACCCTGGCTCCGCGTGCACCTAGACGGCCCTGCGCTCAGCAGTCAGCAGCGACGCACTCTCCAGGGG
 CGCTCGTGTATCAGATCGAGCACCCCTCAAGTCCCTCACCTTCGCTGAACTGTCTCCACCGAC
 CATCGCACAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216176 representing NM_138302
 Red=Cloning site Green=Tags(s)

MAAPGTPPPSASGGGGGEPRLPELIRLKRGGHLEADIRNFVHAVIDGRAQDTQIGAMLMAIRLQGMN
 LEETSVLTRALAESGQLEWPKAWHQQLVDKHSTGGVGDVSLVLAPALAACGCKVPMISGRSLGHTGGT
 LDKLESIPFGVTSPEQMLHILEEVGCCIVGQSAKLVPADGILYAARDVTATVDSVPLITASILSKKAV
 EGLSTLVVDVKFGAAVFPDQEKARELAKMLVRVGVSLGLKVAALAMDNPGRSVGHTLEVEEALLCL
 DGAGPPDLRDLVIRLGGAILWISGQAETQDQGAARVAAALDDGSARRRFQLMLSAQGVDPGLAKALCSGS
 PTQRRQLLPHAREQEELLAPADGIVECVRALPLARVLHDLGAGRSRAGQPIRPGVGAEVLDVVGQCLSRG
 TPWLRVHLDGPALSSQRRRLQGALVLSRAPFKVPSPF AELVLPPTIAQP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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.

RefSeq: [NM_138302.2](#)

RefSeq Size: 2042 bp

RefSeq ORF: 1416 bp

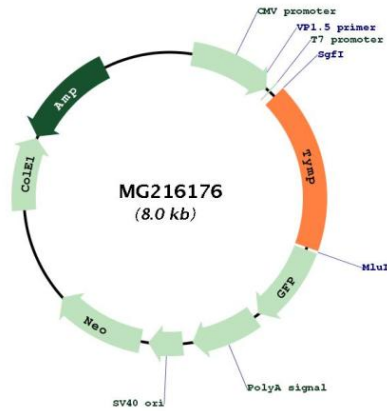
Locus ID: 72962

UniProt ID: [Q99N42](#)

Cytogenetics: 15 44.86 cM

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 MG216176