

## Product datasheet for **MG226700**

### Thy1 (NM\_009382) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Thy1 (NM\_009382) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Thy1  
**Synonyms:** CD90; T25; Thy-1; Thy-1.2; Thy1.1; Thy1.2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG226700 representing NM\_009382  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAACCCAGCCATCAGCGTCGCTCTCCTGCTCTCAGTCTTGCAGGTGTCCCGAGGGCAGAAGGTGACCA  
 GCCTGACAGCCTGCCTGGTGAACCAAACCTTCGCCTGGACTGCCGCATGAGAATAACACCAAGGATAA  
 CTCCATCCAGCATGAGTTCAGCCTGACCCGAGAGAAGAGGAAGCACGTGCTCTCAGGCACCCTTGGGATA  
 CCCGAGCACACGTACCGCTCCCGCGTCACCCTCTCCAACCAGCCCTATATCAAGGTCCTTACCCTAGCCA  
 ACTTCACCACCAAGGATGAGGGCGACTACTTTTGTGAGCTTCAAGTCTCGGGCGGAATCCCATGAGCTC  
 CAATAAAAGTATCAGTGTGTATAGAGACAAGCTGGTCAAGTGTGGCGGCATAAGCCTGCTGGTTCAGAAC  
 ACATCCTGGATGCTGCTGCTGCTCTTCCCTCTCCCTCTCCAAGCCCTGGACTTCATTCTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG226700 representing NM\_009382  
 Red=Cloning site Green=Tags(s)

MNPAISVALLLSVLQVSRGQKVTSLTACLVNQNLRLDCRHNNTKDINSIQHEFSLTREKRKHVLSGTLGI  
 PEHTYRSRVTLNQPYIKVLTLANFTTKDEGDYFCELVSGANPMSSNKSISVYRDKLVKCGGISLLVQN  
 TSWMLLLLLSLSLQALDFISL

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2082\\_e12.zip](https://cdn.origene.com/chromatograms/ja2082_e12.zip)

**Restriction Sites:** SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_009382

ORF Size: 486 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

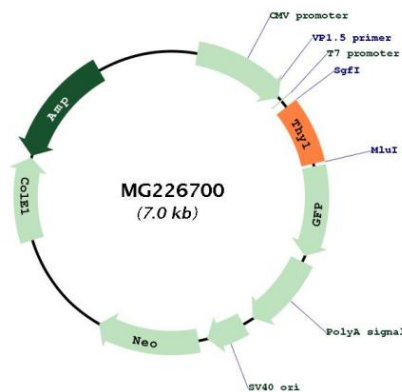
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**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.

<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_009382.3</a> , <a href="#">NP_033408.1</a>
<b>RefSeq Size:</b>	1753 bp
<b>RefSeq ORF:</b>	489 bp
<b>Locus ID:</b>	21838
<b>UniProt ID:</b>	<a href="#">P01831</a>
<b>Cytogenetics:</b>	9 24.52 cM
<b>Gene Summary:</b>	This gene encodes a glycoprotein that is anchored to the cell surface of thymocytes, neuronal and other cells through a glycosyl-phosphatidylinositol moiety. A soluble form of the encoded protein has also been detected in serum and cerebrospinal fluid. The encoded protein undergoes further processing to generate the mature protein which mediates cell-cell interactions to trigger downstream signaling pathways. [provided by RefSeq, Jul 2015]

## Product images:



Circular map for MG226700