

Product datasheet for **MG202670**

Thyn1 (NM_144543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thyn1 (NM_144543) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thyn1
Synonyms:	D730042P09Rik; HSPC144; MDS012; MY105; Thy28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202670 representing NM_144543 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGCCGAGACCCCGCAAGAGGCAGACTGGGACTGCTGGTCCAGACAGGAAGAAGCTATCCGGAAACGTA
CTAAAACGAAAACAGAAAGTACATCAGTCAAGCTAGAGAACCAGCCTTGAGATGACGACAACCTT
TAAAAATGGTGGCAAGAATTTAAGCAACTACTGGCTGATGAAGTCAGAGCCAGAAAGCCGGCTAGAGAAA
GGTATAGACATGAAGTTCAGCATCGAGGATCTCAAAGCACAGCCCAAGCAGACAGCTTGCTGGGATGGT
TTCGCAACTATCAGGCTCGGAATTCCTCAGGGCCATGAAATTGGAGGATGAAGCCTTCTTCTACCATAG
CAACTGCAAACAGCCTGGCATTGTTGGACTTATGAAGATTGTAAGGAGGCTTACCCAGACCATACACAG
TTTGAGAAAAGTAACCCCATACGATCCATCCAGCAAAGAGGACGACCCATAATGGTTCGATGGTGGATG
TACAGTTTGTTCGAATGATGAAGCGCTTCATCCCTCTGGAGGAGCTTAAACCTATCACCAAGCCCAAA
AGCTACTGGCGGCCCTTAAAAAGCATGACTCTCTTACCCGCCAGAGACTTTCGTTTCAGCCTCTGACT
CAAGAAGATTTGATTTTATTTGAGCCTGGAGGAAACAGAACCAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202670 representing NM_144543
 Red=Cloning site Green=Tags(s)

MPPRRKRQTGTAGPDRKKLSGKRTKTENSESTSVKLENSSEMTTTFKNGGKNLSNYWLMKSEPEsrLEK
 GIDMKFSIEDLKAQPKQTACWDGVRNYQARNFLRAMKLEDEAFFYHSNCKQPGIVGLMKIVKEAYPDHTQ
 FEKSNPHYDPSKEDDPKWSMVDVQFVRMMKRFIPLEELKTYHQAHKATGGPLKSMTLFTRQRLSVQPLT
 QEEDFDILSLEETEPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144543

ORF Size: 678 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_144543.1](#), [NP_653126.1](#)

RefSeq Size: 930 bp

RefSeq ORF: 681 bp

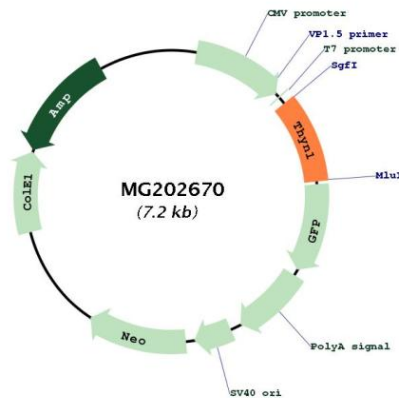
Locus ID: 77862

UniProt ID: [Q91Y13](#)

Cytogenetics: 9 A4

Gene Summary: Specifically binds 5-hydroxymethylcytosine (5hmC), suggesting that it acts as a specific reader of 5hmC.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202670