

Product datasheet for **MG225551**

Thra (NM_178060) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thra (NM_178060) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thra
Synonyms:	6430529J03Rik; AW259572; c-erb; c-erbA-1; c-erbA-alpha; c-erbAalpha; Er; Erba; Nr; Nr1a1; Rvr; T3R; T3Ralpha; T3R[; T3R[a]; Thr; Thra1; Thra2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225551 representing NM_178060
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTGAGACCAGAGGAGAACAGTGCCAGGTACCCAGATG
 GAAAGCGAAAAAGAAAGAACGGCCAATGTCCCCTGAAAAGCAGCATGTCAGGGTATATCCCTAGTTACCT
 GGACAAAGACGAGCAGTGTGTCGTGTGGGGACAAGGCCACCGTTTACTACTACCCTGTATCACTTGT
 GAGGGCTGCAAGGGCTTCTTTCGCCGACAATCCAGAAGAATCTCCATCCCACCTATTCTGCAAGTATG
 ACAGCTGTGTGCATCGACAAGATCACCCGGAATCAGTGCCAGCTGTGCCGTTCAAGAAGTGCATTGC
 TGTGGGCATGGCCATGGACTTGGTTCTAGATGATTCGAAGCGGGTGGCCAAACGCAAGCTGATTGAGCAG
 AACCGGGAGAGGCGAAAGGAGGAGATGATTCGCTCACTGCAGCAGCGACCAGAGCCACTCCTGAAG
 AGTGGGACCTGATACATGTTGCTACAGAGGCCATCGCAGCACTAACGCCAGGGCAGCCATTGAAACA
 GAGGCGAAAATTCTGCCGGATGACATTGGCCAGTCACCTATTGTCTCCATGCCGGACGGAGACAAGGTA
 GACCTAGAGGCCCTCAGCGAGTTTACCAAGATCATCACCCGGCCATCACGCGCTGGTGGACTTTGCCA
 AAAAAGTCCCATGTTCTCCGAGCTGCCTTGCAGAACAGATCATCCTCCTGAAGGGCTGCTGCATGGA
 GATCATGTCCCTGCGGGCAGCTGTCCGCTACGACCCTGAGAGTGACACCCTGACCCTGAGTGGGGAGATG
 GCGGTTAAGCGGGAACAGCTCAAGAATGGTGGCTTGGGTGTGGTCTCTGACGCCATCTTTGAACTGGGCA
 AGTCACTCTCGCTTTAACCTGGATGACACGGAAGTGGCTCTGCTGCAGGCTGTGCTGTAATGTCAAC
 AGACCGCTCCGGCCTGCTGTGCGTGGACAAGATCGAGAAGAGTCAAGGAGGCTACCTGCTGGCGTTTGG
 CACTACGTCAACCACCGCAAACAACATTCCGCACTTCTGGCCAAGCTGCTGATGAAGGTGACTGACC
 TCCGCATGATCGGGGCTGCCACGCCAGCCGCTTCTCCACATGAAAGTCGAGTGCCCCACCGAAGCTCTT
 CCCCCACTCTTCTGGAGGTCTTTGAGGATCAGGAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225551 representing NM_178060
 Red=Cloning site Green=Tags(s)

MEQKPSKVECGSDPEENSARSPDGKRKRKNGQCPLKSSMSGYIPSYLDKDEQCQVVCQDKATGYHYRCITC
 EGCKGFFRRRIQKNLHPTYSCKYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDLVLDSSKRVAKRKLIQ
 NRERRRKEEMIRSLQQRPEPTPEEWDLIHVATEAHRSTNAQGSQHWKQRRKFLPDDIGQSPIVSMPDGDKV
 DLEAFSEFTKIITPAITRVVDFAKKLPMSSELPCEQIILLKGCMEIMSLRAAVRYDPESDTLTLSEGEM
 AVKREQLKNGGLGVVSDAIFELGKSLSAFNLDDEVALLLQAVLLMSTDRSGLLCVDKIEKSQEAYLLAFE
 HYVNRKHNIPHFWPKLLMKVTDLRMIGACHASRFLHMKVECPTELPPLFLEVFEQEV

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1867_a05.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_178060

ORF Size: 1230 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 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.

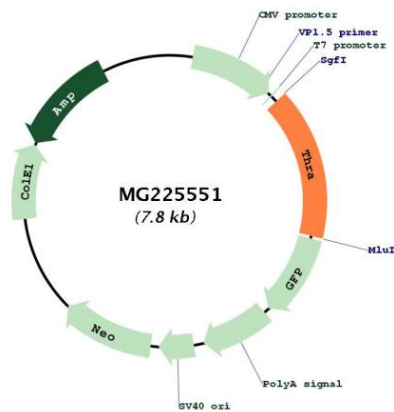
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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.

RefSeq: [NM_178060.4, NP_835161.1](#)
 RefSeq Size: 2246 bp
 RefSeq ORF: 1233 bp
 Locus ID: 21833
 UniProt ID: [P63058](#)
 Cytogenetics: 11 62.58 cM

Gene Summary: The protein encoded by this gene is one of several nuclear hormone receptors that bind thyroid hormones such as triiodothyronine and thyroxine with high affinity. The encoded protein is a transcription factor that can activate or repress transcription. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MG225551