

Product datasheet for **MG207895**

Thra (BC046795) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thra (BC046795) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Thra
Synonyms:	Nr1a1, T3R[a], T3Ralpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207895 representing BC046795
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTGAGCCAGAGGAGAAGCAAGTCCAGGTACCCAGATG
 GAAAGCGAAAAAGAAAGAACGGCCAATGTCCCCTGAAAAGCAGCATGTCAGGGTATATCCCTAGTTACCT
 GGACAAAGACGAGCAGTGTGTCGTGTGGGGACAAGGCCACCGTTTACTACTACCCTGTATCACTTGT
 GAGGGCTGCAAGGGCTTCTTTCGCCGACAATCCAGAAGAATCTCCATCCACCTATTCTGCAAGTATG
 ACAGCTGTGTGCATCGACAAGATCACCCGGAATCAGTGCCAGCTGTGCCGTTCAAGAAGTGCATTGC
 TGTGGGCATGGCCATGGACTTGGTTCTAGATGATTCGAAGCGGGTGGCCAAACGCAAGCTGATTGAGCAG
 AACCGGGAGAGGCGAAAGGAGGAGATGATTCGCTCACTGCAGCAGCGACCAGAGCCACTCTGAAG
 AGTGGGACCTGATACATGTTGCTACAGAGGCCATCGCAGCACTAACGCCAGGGCAGCCATTGAAACA
 GAGGCGAAAATTCTGCCGGATGACATTGGCCAGTCACCTATTGTCTCCATGCCGGACGGAGACAAGGTA
 GACCTAGAGGCCCTCAGCGAGTTTACCAAGATCATCACCCGGCCATCACGCGCTGGTGGACTTTGCCA
 AAAAAGTCCCATGTTCTCCGAGCTGCCTTGCAGAACAGATCATCCTCTGAAGGGCTGCTGCATGGA
 GATCATGTCCCTGCGGGCAGCTGTCCGCTACGACCCTGAGAGTGACACCCTGACCCTGAGTGGGGAGATG
 GCGGTTAAGCGGGAACAGCTCAAGAATGGTGGCTTGGGTGTGGTCTCTGACGCCATCTTTGAACTGGGCA
 AGTCACTCTCTGCCTTTAACCTGGATGACACGGAAGTGGCTCTGCTGCAGGCTGTGCTGTAATGTCAAC
 AGACCGCTCCGGCCTGCTGTGCGTGGACAAGATCGAGAAGAGTCAAGAGGCTACCTGCTGGCGTTTGGAG
 CACTACGTCAACCACCGCAAACACAACATTCCGCACTTCTGGCCAAGCTGCTGATGAAGGAGAGAGAAG
 TGCAGAGTTCGATTCTGTACAAGGGGGCAGCGGCAGAGCCGGCCGGGGGCTACTGGCGCTCCACCC
 GGAAGGACAGCAGCTTCTCGGAATGCATGTTGTTTCAGGGTCCGCAAGTCCGGCAGCTTGAGCAGCAGCTT
 GGTGAAGCGGGAAGTCTCCGAGGCGGTTCTTTCAGCACCAGAGCCGAAGAGCCCGCAGCAGCGTCTCC
 TGGAGCTGCTCCACCGAAGCGGAATTCTCCATTCCCGAGCGGTCTGTGGGGAAGACGACAGCAGTGAAGC
 GAGCTCCCTGAGCTCCTCTGACACGGAGGACCGGAGGTCTGCGAGGACCAGGCAGGCAAGGCAGCC
 TCTCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207895 representing BC046795
 Red=Cloning site Green=Tags(s)

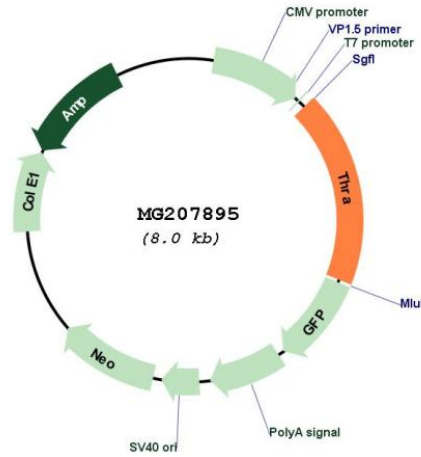
MEQKPSKVECGSDPEENSARSPDGKRKRKNGQCPLKSSMSGYIPSYLDKDEQCVCGDKATGYHYRCITC
 EGCKGFFRRTIQKNLHPTYSCYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDVLDDSKRVAKRKLIEQ
 NRERRRKEEMIRSLQQRPEPTPEEWDLIHVATEAHRSTNAQGSHWKQRRKFLPDDIGQSPIVSMPDGDV
 DLEAFSEFTKIIITPAITRVVDFAKKLPFSELPCEQIILLKGCMEIMSLRAAVRYDPESDRTLTLGEM
 AVKREQLKNGGLGVVSDAIFELGKSLSAFNLDDEVALQLQAVLLMSTDRSGLLCVDKIEKSQEAYLLAFE
 HYVNRKHNIPIHFWPKLLMKEREVQSSILYKAAAEGRPGSLGVHPEGQQLGMHVQGPVQRLEQQL
 GEAGSLRGPVLQHQSPKSPQRLLELLHRSGILHSRAVCGEDDSSEASSLSSSDTEDTEVCEDQAGKAA
 SP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: BC046795

ORF Size: 1478 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: [BC046795](#), [AAH46795](#)

RefSeq Size: 2440 bp

RefSeq ORF: 1478 bp

Locus ID: 21833

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]