

Product datasheet for **MR207895**

Thra (BC046795) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thra (BC046795) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thra
Synonyms:	Nr1a1, T3R[a], T3Ralpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207895 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTGAGCCAGAGGAGAACAGTCCAGGTACCAGATG
 GAAAGCGAAAAAGAAAGAACGGCCAATGTCCCCTGAAAAGCAGCATGTCAGGGTATATCCCTAGTTACCT
 GGACAAAGACGAGCAGTGTGTCGTGTGGGGACAAGGCCACCGTTTACTACTACCCTGTATCACTTGT
 GAGGGCTGCAAGGGCTTCTTTCGCCGACAATCCAGAAGAATCTCCATCCCACCTATTCTGCAAGTATG
 ACAGCTGTGTGCATCGACAAGATCACCCGGAATCAGTGCCAGCTGTGCCGTTCAAGAAGTGCATTGC
 TGTGGGCATGGCCATGGACTTGGTTCTAGATGATTCGAAGCGGGTGGCCAAACGCAAGCTGATTGAGCAG
 AACCGGGAGAGGCGAAAGGAGGAGATGATTCGCTCACTGCAGCAGCGACCAGAGCCACTCTGAAG
 AGTGGGACCTGATACATGTTGCTACAGAGGCCATCGCAGCACTAACGCCAGGGCAGCCATTGAAACA
 GAGGCGAAAATTCTGCCGGATGACATTGGCCAGTCACCTATTGTCTCCATGCCGGACGGAGACAAGGTA
 GACCTAGAGGCCCTCAGCGAGTTTACCAAGATCATCACCCGGCCATCACGCGCTGGTGGACTTTGCCA
 AAAAAGTCCCATGTTCTCCGAGCTGCCTTGCAGAACAGATCATCCTCTGAAGGGCTGCTGCATGGA
 GATCATGTCCCTGCGGGCAGCTGTCCGCTACGACCCTGAGAGTGACACCCTGACCCTGAGTGGGGAGATG
 GCGGTTAAGCGGGAACAGCTCAAGAATGGTGGCTTGGGTGTGCTCTGACGCCATCTTTGAACTGGGCA
 AGTCACTCTCGCTTTAACCTGGATGACACGGAAGTGGCTCTGCTGCAGGCTGTGCTGTAATGTCAAC
 AGACCGCTCCGGCCTGCTGTGCGTGGACAAGATCGAGAAGAGTCAAGAGGCTACCTGCTGGCGTTTGG
 CACTACGTCAACCACCGCAAACACAACATTCCGCACTTCTGGCCAAGCTGCTGATGAAGGAGAGAGAAG
 TGCAGAGTTCGATTCTGTACAAGGGGGCAGCGGAGGCGGCGGGGGGCTACTGGCGCTCCACCC
 GGAAGGACAGCAGCTTCTCGGAATGCATGTTGTTCAAGGTCGCGAGGTCGGCAGCTTGAGCAGCAGCTT
 GGTGAAGCGGGAAGTCTCCGAGGCGGTTCTTTCAGCACAGAGCCGAAGAGCCCGCAGCAGCTCTCC
 TGGAGCTGCTCCACCGAAGCGGAATTCTCCATCCCGAGCGGTCTGTGGGGAAGACGACAGCAGTGAAGC
 GAGCTCCCTGAGCTCCTCTGACACGGAGGACCGGAGGTCTGCGAGGACCAGGCAGGCAAGGCAGCC
 TCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207895 protein sequence
 Red=Cloning site Green=Tags(s)

MEQKPSKVECGSDPEENSARSPDGKRKRKNGQCPLKSSMSGYIPSYLDKDEQCVVCGDKATGYHYRCITC
 EGCKGFFRRTIQKNLHPTYSCYDSCVIDKITRNQCQLCRFKCIAVGMAMDLVLDDSKRVAKRKLIEQ
 NRERRRKEEMIRSLQQRPEPTPEEWDLIHVATEAHRSTNAQGSWKQRRKFLPDDIGQSPIVSMPDGDV
 DLEAFSEFTKIIITPAITRVVDFAKKLPMPFSELPCEQIILLKGCMEIMSLRAAVRYDPESDLTTLSEGM
 AVKREQLKNGGLGVVSDAIFELGKSLSAFNLDDETEVALLQAVLLMSTDRSGLLCVDKIEKSQEAYLLAFE
 HYVNRKHNIPIHFWPKLLMKEREVQSSILYKGAEEGRPGSLGVHPEGQQLGMHVQGPVQRLEQQL
 GEAGSLRGPVLQHQSPKSPQRLELLHRSGILHSRAVCGEDDSSEASSLSSSDTEDTEVCEDQAGKAA
 SP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC046795

ORF Size: 1476 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

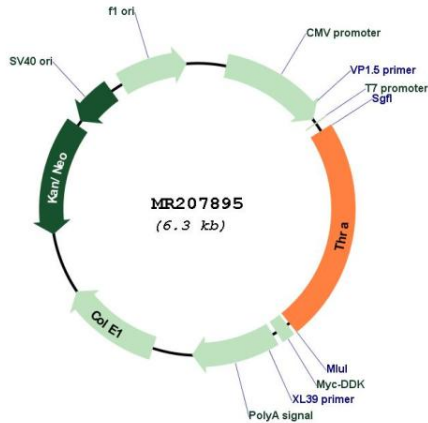
Cytogenetics: 11 62.58 cM

MW: 55 kDa

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 MR207895