

Product datasheet for **MG215611**

Trhr (NM_013696) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Trhr
Synonyms:	TRH-R1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215611 representing NM_013696
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGAATGATACTGTCACTGAAATGAACCAACCGAGCTCCAGCCACAAGCAGCTGTGGCCCTCGAGT
ACCAGGTGGTTACCATCTTACTTGTGGTCATTATTTGTGGACTGGGCATTGTGGCAACATCATGGTAGT
CCTGGTGGTCATGAGAACAAGCACATGAGAACCCTACAACTGTTACCTGGTAAGTCTGGCTGTGGCA
GATCTCATGGTTCCTGGTGGCTGCAGGCCTCCCCAACATAACCGACAGTATCTATGGTTCCTGGTCTATG
GCTATGTTGGCTGCCTCTGCATTACATATCTCCAGTACCTAGGCATTAATGCATCTTCATGTTCAATAAC
GGCCTTTACCATTGAAAGGTACATAGCAATCTGTCACCCCATCAAAGCCAGTTTCTCTGCACGTTTTCC
AGAGCCAAAAAATCATCATCTTTGTCTGGCCTTCACATCCATTTACTGTATGCTCTGGTCTTCTCTGC
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CTACTCACCTATTTACCTAATGGACTTTGGTGTCTTTATGTTGTGCCAATGATCCTGGCCACTGTGCTT
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TGTATCTTCAGGAAGCAGGTCAACAAGATGCTCGCAGTGGTGTAAATCTGTTTGCCTTTTATGGATG
CCCTACAGGACTCTGTGGTTGTCAACTCATTCTCTCCAGCCCTTCCAGGAAAATTGGTCTTGTCTCT
TTTGCAGAATTTGCATTTATCTCAACAGTGCCATCAACCCAGTGATTTACAACCTCATGTCTCAGAAAT
TCGTGCAGCCTTCAGGAAGCTCTGCAATTGCAAGCAGAAGCCACAGAAAAGCTGCTAACTACAGTGTG
GCCCTAAATTACAGTGTATCAAGGAGTCAAGCCGCTTCAGCACAGAGCTAGAAGATATCACCGTCAACC
ATACGTATGTGTCAACCACAAAAGTGTCTTTGATGACACCTGCTTGGCCTCTGAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



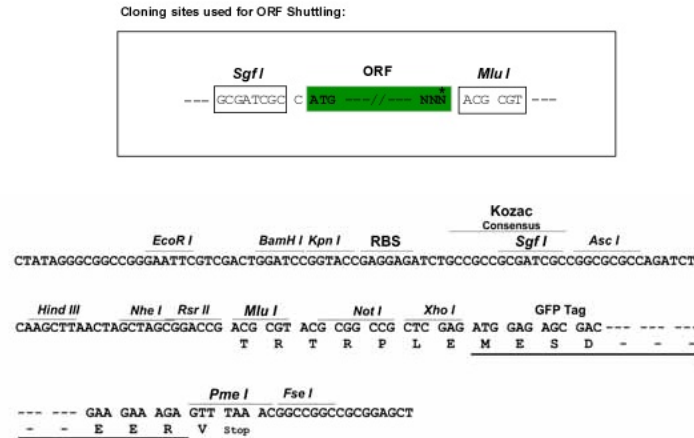
Protein Sequence: >MG215611 representing NM_013696
 Red=Cloning site Green=Tags(s)

MENDTVSEMNQTELQPQA AVALEYQVVTILLVVIICGLGIVGNIMVVLVVMRTKHMRTPTNCYLVS LAVA
 DLMVLVAAGLPNITDSIYGSWVYGYVGCLCITYLQYLGINASSCSITAF TIERYIAICHPIKAQFLCTFS
 RAKKIIIFVWAFSTIYCLWFFLLDLNISTYKNVAVVSCGYKISRNYSP IYLMDFGVFVYVPMILATVL
 YGFIARILFLNPIPSPDKENSKMWKND SIHQNKLNLNATNRCFNSTVSSRQVTKMLAVVVILFALLWM
 PYRTL VVVNSFLSSPFQENWFLLCR IC IYLNSAINPVIYNLMSQKFRAAFRKL CNCKQKPTEKAANYSV
 ALNYSVIKESDRFSTELEDITVTD TYVSTTKVSFDDTCLASEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013696

ORF Size: 1179 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013696.2](#), [NP_038724.1](#)

RefSeq Size: 3976 bp

RefSeq ORF: 1182 bp

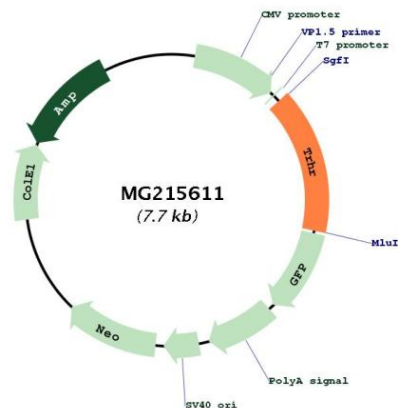
Locus ID: 22045

UniProt ID: [P21761](#)

Cytogenetics: 15 16.82 cM

Gene Summary: Receptor for thyrotropin-releasing hormone. Activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG215611