

Product datasheet for **MG211475**

Trhde (NM_146241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trhde (NM_146241) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trhde
Synonyms:	9330155P21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211475 representing NM_146241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGAAGACGACGCCGCGCTCCGGCAAGCGGCAGGGGGCTCTCGGACCCGTGGGCTGACTCGGTGG
GAGTGAGACCCCGCACCACGGAGCGCCACATCGCAGTGACAAGAGGCTTGTGCTGGCCTTTGCCGTGC
CATCGTGGCACTGCTGGCTGTACCATGCTGGCCGTCTGCTCAGCTTGCATTGACGAGTGTGGAGCG
AGCGCGGCGATGCCTGGCACCGACGGTGGCCTCGGGGTTTCCCCGAGCGCGACAGCAACAGCAGCTTTC
CAGGTTCTGCCCGCGCAACCACCACGCGGGTGGGAATCCTCTCAGCGTGAGAGCGCGAGGTGGGCAC
CCCGGGGACCCCGTCTGCCAGCCGCGCTCGGAGGAAGAGCGGGAGCAGTGGCAGCCCTGGACACAGCTG
CGCCTATCCGGCCACCTCAAGCCGCTGCACTACAATTTGATGCTCACCGCTTTCATGGAGAACTTCACT
TCTCTGGGGAGGTCAACGTGGAGATCGCGTGCCGGAACGCCACCCGCTACGTGGTACTGCACGCCTCCCG
AGTGGCGGTGGAGAAGGTGCAAGTAGCTGAAGACAGGGCGTTCGGGGCTGTCCCGTTGCAGGCTTTTTTC
CTTACCACAAACGCAGGTCTTGGTGGTGGTATTGAACAGAACCCTGGACGCGCAGAGGCATTACAATC
TGAAGATTATCTACAATGCCCTGATAGAGAACGAGCTTTTGGGCTTCTCCGAGCTCCTACGTGATCCA
CGGGGAGAGAAGATTCTTGGTGTACTCAGTTTTCACCTACACATGCCAGGAAGCGTTTTCCGTGTTTC
GATGAACCAATCTACAAGGCCACTTTCAAATCAGCATCAAACATCAAGCAACCTATTTGTCTCTATCCA
ACATGCCAGTGGAAACGTCTGTGTTTCGAGGAAGATGGATGGGTGACAGATCACTTTTCACAGACCCCTCT
CATGTCTACATATTATTTAGCCTGGGCGATTTGCAACTTCACATACAGAGAACTACCACCAAGAGTGGG
GTTGTAGTCCGATTATATGCGAGACCCGACGCTATCAGAAGAGGATCCGGGGACTATGCTCTCCACATTA
CAAAGAGATTAATAGAATTTTATGAAGACTACTTTAAAGTGCCCTATTCTTTGCCAAAAGTAGATCTTTT
AGCTGTGCCTAAGCATCCTTATGCTGCTATGGAGAAGTGGGACTAAGTATTTTTGTGGAACAAAGAATA
CTGCTGGATCCCAGTGTGCATCTATTTCTTATTTGCTGGATGTCACCATGGTCATTGTTTCATGAAATAT
GTCACCAGTGGTTTGGTACCTTGTGACTCCAGTTTGGTGGGAAGATGTGTGGTTGAAGGAAGCCTTTGC
TCACTACTTTGAATTTGGGTACAGACTACCTTACCCTGCCTGGAACATGGAGAAGCAGAGATTTCTG



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ACAGATGTTCTGCATGAAGTGATGCTACTTGATGGCTTGCCAGTCCCATCCAGTATCACAGGAAGTGC
TACGGGCAACAGATATTGACAGAGTGTTCGACTGGATCGCATACAAAAGGGTGTCTCTAATTAGAAT
GCTGGCTAATTTTATGGGTCATTCAGTTTTTCAGAGGGGATTGCAAGATTATTTAACCATTCACAAGTAT
GGCAATGCAGCCAGAAATGATCTCTGGAATACATTATCAGAGGCTTTAAGAAGGAATGGAAAATACGTGA
ACATAAAGAAGTAATGGATCAGTGGACACTGCAGATGGGATATCCTGTTATCACTATCCTGGGAAACAC
GACGGCAGAAAAAGAACTACTTATCACCAACAGCATTTCATTTATGACATTGGTGCTAAAACTAAAGCA
CTTCACTTCAAAAACAGCAGTTACCTGTGGCAGATTCCATTAACCATTGTGGTAGGAAATAGAAGCCATG
TGCTTTCAGAAGCAATTATTTGGGTGTCTAACAAATCAGAACATCACAGAATAGCGTACTTAGACAGAGG
AAGCTGGATCCTTGGAACATCAATCAAACCGGCTACTTTAGAGTCAACTATGACCTAAGGAACTGGAGA
TTACTAATCGATCAGTTAATCAGGAACCACGAGGTACTTTCTGTGAGTAAACCGCGCGCTTTGATCGATG
ATGCCCTCAGCCTGGCCAGGGCAGGCTATTTGCCCTCAGAATATCCCCCTAGAGATCATCAGATACCTGTC
TGAGGAAAAGGATTTTCTCCTTGGCAGCTGCCAGCGAGCTCTTTATCCTCTGGATAAATTACTGGAC
CGCATGGAGAACTACAATATCTCAATGAATATATTCTAAAACAAGTTGCAACAACATACATCAAGCTTG
GATGGCCAAGAAATAACTTCAATGGATCTCTCGTTCAAGCCTCTACCAACATGAGGAGCTACGGAGGGA
AGTGATAATGTTGGCATGTAGTTTGGGAACAAGCACTGTCACCAGCAGGCATCAACACTATTTTCAGAC
TGGATTTCCAGCAACAGAAACAGAAATACCCTGAATGTTAGAGACATCGTCTACTGCACAGGAGTGTCCAC
TGCTGGATGAGGATGTCTGGGAGTTTATCTGGATGAAATTCACCTCTACCACTGCAGTTTCTGAGAAAA
GATACTGCTGGAGGCTCTAACTTGACGCGATGACAGGAATTTATTAAGTAGGCTTCTAAATCTGTCTCTG
AATTCTGAGGTGGTGTGGATCAAGATGCAATTGATGTAATTAACCAGTAGCCAGAAATCCACATGGCC
GAGACCTTGCCCTGGAAGTTTTTCAGAGACAAATGGAAAATACTAAATACCAGGTATGGAGAAGCACTGTT
TATGAATCCAACTTATCAGTGGAGTTACAGAATTTCTTAATACAGAAGGTGAACCTAAAGAGCTAAAG
AATTTTCATGAAGTCTATGATGGGGTAGCCTCTGCTTCTTCTCACGAGCTGTGGAACTGTGGAAGCCA
ATGTGCGCTGAAAAGGTTTTACCAAGATGAGCTTTTCCAGTGGCTGGAAAAGCCATGAGACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG211475 representing NM_146241
Red=Cloning site Green=Tags(s)

MGEDDAALRASGRGLSDPWADSVGVRPRTTERHIAVHKRLVLAFAVSIVALLAVTMLAVLLSLRFDEC
SAAMPGTDGGLGGFPERDSNSSFPGSARRNHAGGESSQRESGEVGTGTPSAQPPSEEREQWQPWTQL
RLSGHLKPLHYNMLTAFMENFTFSGEVNVEIACRNATRYVVLHASRVAVEKVQVAEDRAFGAVPVAGFF
LYPQTQVLVVVLRNRLDAQRHYNLKIIYNAL IENELLGFFRSSVVIHGERRFLGVTQFSPTHARKAFPCF
DEPIYKATFKISIKHQATYLSLNMVETSVFEEDGWVTDHFSQTPLMSTYYLAWAICNFYRETTTKSG
VVVRLYARPDAIRRGSDYALHITKRLIEFYEDYFKVPYSLPKLDLLAVPKHPYAAMENWGLSIFVEQRI
LLDPSVSSISYLLDVTMIVVHEICHQWFGDLVTPVWVEDVWLKEGFAHYFEFVGTDYLYPAWNMEKQRF
TDVLEHVMLLDGLASSHPVSQEVLRATDIDRVFDWIAKKGAAALIRMLANFMGHSVVFQRLQDYLT
IHKY GNAARNDLWNTLSEALRRNGKYVNIQEVMDQWTLQMGYPVITILGNTTAENRILITQHF
IYDIGAKTKA LQLQNSSYLWQIPLTIVVGNRSHVSSEAIWVSNKSEHHR IAYLDRGSWILGNINQ
TGYFRVNYDLRNWR LLIDQLIRNHEVLSVSNRAALIDDAFSLARAGYLPQNIPL
EIRYLSEEKDFLPWHAASRALYPLDKLLD RMENYNIFNEYILKQVATYIKL
GWPRNNGSLVQASYQHEELRREIVMLACSFGNKHCHQASTLISD WISSNRNRIPLNVRD
IVYCTGVSLLEDVWEFIWMKFHSTTAVSEKKILLEALTCSDDRNLLSRLNL
SL NSEVVLQDAIDVIIHVARNPHGRDLAWKFFRDKWKILNTRYGEALFMNSK
LISGVTEFLNTEGELKELK NFMKSYDGVASASFSRAVETVEANVRWKR
FYQDELFWLQKAMRH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_146241.2 , NP_666353.1
RefSeq Size:	5722 bp
RefSeq ORF:	3078 bp
Locus ID:	237553
UniProt ID:	Q8K093
Cytogenetics:	10 D2
Gene Summary:	Specific inactivation of TRH after its release.[UniProtKB/Swiss-Prot Function]