

Product datasheet for MR211475

Trhde (NM_146241) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trhde (NM_146241) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trhde
Synonyms:	9330155P21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211475 representing NM_146241 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGAAGACGACGCCGCGCTCCGGCAAGCGGCAGGGGGCTCTCGGACCCGTGGGCTGACTCGGTGG
GAGTGAGACCCCGCACCACGGAGCGCCACATCGCAGTGCACAAGAGGCTTGTGCTGGCCTTTGCCGTGC
CATCGTGGCACTGCTGGCTGTACCATGCTGGCCGTCTGCTCAGCTTGCATTGACGAGTGTGGAGCG
AGCGCGGCGATGCCTGGCACCGACGGTGGCCTCGGGGTTTCCCCGAGCGCGACAGCAACAGCAGCTTTC
CAGGTTCTGCCCGCGCAACCACCACGCGGGTGGGAATCCTCTCAGCGTGAGAGCGCGAGGTGGGCAC
CCCGGGGACCCCGTCTGCCAGCCGCGCTCGGAGGAAGAGCGGGAGCAGTGGCAGCCCTGGACACAGCTG
CGCCTATCCGGCCACCTCAAGCCGCTGCACTACAATTTGATGCTCACCGCTTTCATGGAGAACTTCACT
TCTCTGGGGAGGTCAACGTGGAGATCGCGTGCCGGAACGCCACCCGCTACGTGGTACTGCACGCCTCCCG
AGTGGCGGTGGAGAAGGTGCAAGTAGCTGAAGACAGGGCGTTCGGGGCTGTCCCGTTGCAGGCTTTTTTC
CTTACCACAAACGCAGGTCTTGGTGGTGGTATTGAACAGAACCCTGGACGCGCAGAGGCATTACAATC
TGAAGATTATCTACAATGCCCTGATAGAGAACGAGCTTTTGGGCTTCTCCGAGCTCCTACGTGATCCA
CGGGGAGAGAAGATTCTTGGTGTACTCAGTTTTCACCTACACATGCCAGGAAGCGCTTCCGTTGTTTC
GATGAACCAATCTACAAGGCCACTTTCAAATCAGCATCAAACATCAAGCAACCTATTTGTCTCTATCCA
ACATGCCAGTGGAAACGTCTGTGTTTCGAGGAAGATGGATGGGTGACAGATCACTTTTCACAGACCCCTCT
CATGTCTACATATTATTTAGCCTGGGCGATTTGCAACTTCACATACAGAGAACTACCACCAAGAGTGGG
GTTGTAGTCCGATTATATGCGAGACCCGACGCTATCAGAAGAGGATCCGGGGACTATGCTCTCCACATTA
CAAAGAGATTAATAGAATTTTATGAAGACTACTTTAAAGTGCCCTATTCTTTGCCAAAAGTAGATCTTTT
AGCTGTGCCTAAGCATCCTTATGCTGCTATGGAGAAGTGGGACTAAGTATTTTTGTGGAACAAAGAATA
CTGCTGGATCCCAGTGTGCATCTATTTCTTATTTGCTGGATGTCACCATGGTCATTGTTTCATGAAATAT
GTCACCAGTGGTTTGGTACCTTGTGACTCCAGTTTGGTGGGAAGATGTGTGGTTGAAGGAAGCCTTTGC
TCACTACTTTGAATTTGGGTACAGACTACCTCTACCCTGCCTGGAACATGGAGAAGCAGAGATTTCTG



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ACAGATGTTCTGCATGAAGTGATGCTACTTGATGGCTTGCCAGTCCCATCCAGTATCACAGGAAGTGC
TACGGGCAACAGATATTGACAGAGTGTTCGACTGGATCGCATACAAAAGGGTGTCTCTAATTAGAAT
GCTGGCTAATTTTATGGGTCATTCAGTTTTTCAGAGGGGATTGCAAGATTATTTAACCATTCACAAGTAT
GGCAATGCAGCCAGAAATGATCTCTGGAATACATTATCAGAGGCTTTAAGAAGGAATGGAAAATACGTGA
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GACGGCAGAAAATAGAATACTTATCACCAACAGCATTTCATTTATGACATTGGTGCTAAAATAAGCA
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TGCTTTCAGAAGCAATTATTTGGGTGTCTAACAAATCAGAACATCACAGAATAGCGTACTTAGACAGAGG
AAGCTGGATCCTTGGAACATCAATCAAACCGGCTACTTTAGAGTCAACTATGACCTAAGGAACTGGAGA
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CGCATGGAGAACTACAATATCTTCAATGAATATATTCTAAAACAAGTTGCAACAACATACATCAAGCTTG
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TGATTTCAGCAACAGAAACAGAAATACCCCTGAATGTTAGAGACATCGTCTACTGCACAGGAGTGTCCAC
TGCTGGATGAGGATGTCTGGGAGTTTATCTGGATGAAATTCACCTCTACCACTGCAGTTTCTGAGAAAA
GATACTGCTGGAGGCTCTAACTTGACGCGATGACAGGAATTTATTAAGTAGGCTTCTAAATCTGTCTCTG
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GAGACCTTGCCCTGGAAAGTTTTTCAGAGACAAAATGGAAAATACTAAATACCAGGTATGGAGAAGCACTGTT
TATGAATTCAAACTTATCAGTGGAGTTACAGAATTTCTTAATACAGAAGGTGAACCTAAAGAGCTAAAG
AATTTTCATGAAGTCTATGATGGGTAGCCTCTGCTTCTTCTCACGAGCTGTGGAACTGTGGAAGCCA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211475 representing NM_146241
Red=Cloning site Green=Tags(s)

MGEDDAALRASGRGLSDPWADSVGVRPRTTERHIAVHKRLVLAFAVSIVALLAVTMLAVLLSLRFDECGA
SAAMPDGTGGGLGGFPERDSNSSFPGSARRNHAGGESSQRESGEVGTGTPSAQPPSEEEQWQPWTQL
RLSGHLKPLHYNMLTAFMENFTFSGEVNVEIACRNATRYVVLHASRVAVEKVQVAEDRAFGAVPVAGFF
LYPQTQVLVVVLRNRLDAQRHYNLKIIYNAL IENELGGFRSSYVIHGERRFLGVTQFSPHARKAFPCF
DEPIYKATFKISIKHQATYLSLSNMPVETSVFEEDGWVTDHFSQTPLMSTYYLAWAICNFYRETTTKSG
VVVRLYARPDAIRRGSDYALHITKRLIEFYEDYFKVPYSLPKLDLLAVPKHPYAAMENWGLSIFVEQRI
LLDPSVSSISYLLDVTMIVVHEICHQWFGDLVTPVWVEDVWLKEGFAHYFEFVGTDYLYPAWNMEKQRF
TDVLEHEVMLLDGLASSHPVSQEVLRATDIDRVFDWIAKKGAAALIRMLANFMGHSVQFQRLQDYLTIHKY
GNAARNDLWNTLSEALRRNGKYVNIQEVMDQWTLQMGYPVITILGNTTAENRILITQQHFYIDIGAKTKA
LQLQNSSYLWQIPLTIVVGNRSHVSSEAIWVSNKSEHHR IAYLDRGSWILGNINQTYFRVNYDLRNRW
LLIDQLIRNHEVLSVSNRAALIDDAFSLARAGYLPQNIPLIIRYLSEEKDFLPWHAASRALYPLDKLLD
RMENYNIIFNEYILKQVATTYIKLWPRNNFNGSLVQASYQHEELRREVIMLACSFGNKHCHQOASTLISD
WISSNRNRIPLNVRDIVCTGVSLLEDVWEIFWMKFHSTTAVSEKKILLEALTCSDRNLRLSLLNLNL
NSEVVLDDQDAIDVIIHVARNPHGRDLAWKFFRDKWKILNTRYGEALFMNSKLISGVTEFLNTEGELKELK
NFMKSYDGVASASFRAVETVEANVRWKRIFYQDELFWLQKAMRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9012_b06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_146241

ORF Size: 3075 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_146241.2](#), [NP_666353.1](#)

RefSeq Size: 5722 bp

RefSeq ORF: 3078 bp

Locus ID: 237553

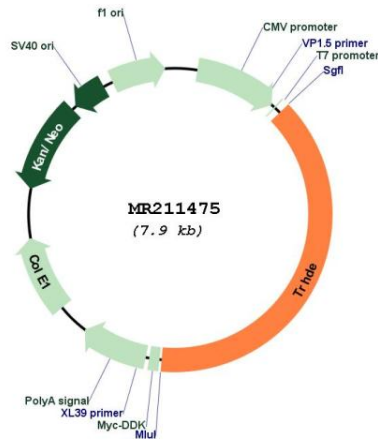
UniProt ID: [Q8K093](#)

Cytogenetics: 10 D2

MW: 117.9 kDa

Gene Summary: Specific inactivation of TRH after its release.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211475