

Product datasheet for RR211716

Trhde (NM_001108991) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trhde (NM_001108991) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Trhde
Synonyms: PAP-II
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211716 representing NM_001108991
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTGGACGGCGAGAGGGGGGAGCAAGAGGAGGAGAAGAAAAGAAGAAGAAGAAAAGAAGAGGA
 AGAAGAAGGAGGAGGAGGGGGCCGAGAAGAGCAGTTCACCGTTTTCGGCCACCATGGGAGAAGACGACGC
 CGCGCTCCGGCAAGCGGCAGGGGGCTCTCGGACCCGTGGGCTGACTCGTGGGAGTGAGACCCCGCACC
 ACGGAGCGCCACATCGCAGTGCACAAGAGGCTTGTGCTGGCTTTTGCCGTGTCCATCGTGGCACTGCTGG
 CTGTCAACCATGCTGGCCGTACTGCTCAGCCTGCGGTTTCGACGAGTGTGGAGCGAGCGCGCGATGCCGGG
 CACCGACGGTGGCCTCGGAGGCTTCCCTGAGCGTGGTGGCAACAGCAGCTACCCAGGATCTGCCCGGCGC
 AACCACCACGCGGGTGGGAATCCTCGCAGCGTGAGATCGGCGAGGTGGGCACCGCGGGGACCCCGTCTG
 CCCATCCGCCGTGGGAGGAAGAGCAGGAGCAGTGGCAGCCCTGGACTCAGCTGCGCCTATCCGGCCACCT
 TAAGCCGCTGCACTACAATTTGATGCTCACCGCCTTCATGGAGAAGTTCACCTTCTCTGGGAGGTCAC
 GTGGAGATCGCGTGCCAGAACGCCACCCGCTACGTGGTACTGCACGCTCCCGGGTGGCGGTGGAGAAGG
 TGCAAGTAGCGGAAGACCGGGCTTCCGGGCTGTCCCGTAGCAGGCTTTTCTCTACCCACAACCGCA
 GGTCTTGGTGGTGTGAATAGAACCCTGGATGCGCAGAGGCACTACAATCTGAAGATTATCTACAAT
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 GTCATCTATTTCTATTTGCTGGATGTCACCATGGTCATTGTTTCATGAAATATGTCACCAAGTGGTTTGGT
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TGGGTACAGACTACCTCTACCCTTCTGGAACATGAAAAAGCAGAGGTTTCTGACAGATGTTCTGCATGA
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 CTTTATCAAGATGAGCTTTTCCAGTGGCTGGAAAAGCCATGAGGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211716 representing NM_001108991
 Red=Cloning site Green=Tags(s)

MALDGERGEQEEKKKKKKKKRKKKEEAGKSSSPFAATMGEDDAALRASGRGLSDPWADSVGVRPRT
 TERHIAVHKRLVLAFAVSIVALLAVTMLAVLLSLRFDECGASAAMPGTGGGLGGFPERGGNSSYPGSARR
 NHHAGEESSQREIGEVTAGTPSAHPPSEEEQEQWPWTQLRLSGHLKPLHYNLMLTAFMENFTFSGEVN
 VEIACQNATRYVVLHASRVAVEKVQVAEDRAFGAVPVAGFFLYPQTQVLVVVLNRTLDAQRHYNLKIYN
 ALIENELLGFFRSSYVIHGERRFLGVTQFSPTHARKAFPCFDEPIYKATFKISIKHQATYLSLNNMPVET
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 DLVTPVWVEDVWLKEGF AHYFEFVGTDYLYPSWNMEKQRFLTDVLHEVMLLDGLASSHPVSQEVLRATDI
 DKVFDWIA YKKGAAALIRMLANFMGHSVFQRGLQDYLTIHKYGNAARNDLWNTLSEALKRNGKYVNIQEV
 DQWTLQMGYPVITILGNMTAENRILITQQHF IYDIGAKTKALQLQNSSYLWQIPLTIVVGNRSHVSEAI
 IWVSNKSEHHRITYLDKGSWILGNINQTYFRVNYDLRNWRL IDQLIRNHEVLSVSNRAGLIDDAFSLA
 RAGYLPQNIPIEIRYLSEEKDFLPWHAASRALYPLDKLLDRMENYINIFNEYILKQVATTYSKLGWPKN
 FNGSVVQASYQHEELRREVIMLACSFGNKHCHQASTLISDWISSNRNRIPLNVRDIVYCTGVSLDEDV
 WEFIWMKFHSTTAVSEKILLEALTCSDDRNLLSRLNLNLSEVVLDDQDAIDVI IHVARNPHGRDLAWK
 FFRDKWKILNTRYGEALFMNSKLSISGVTEFLNTEGELKELKNFMKSYDGVASASFRAVETVEANVRWKR
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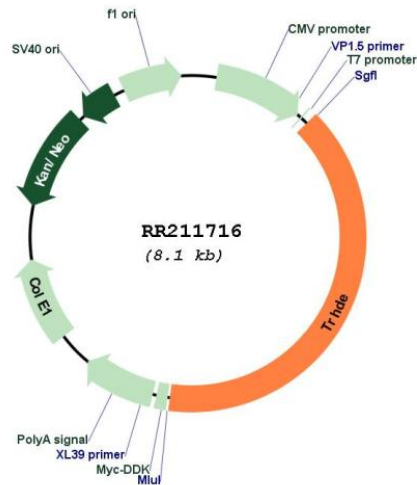
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108991

ORF Size: 3198 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:	<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:	<u>NM_001108991.1, NP_001102461.1</u>
RefSeq Size:	6678 bp
RefSeq ORF:	3201 bp
Locus ID:	366894
Cytogenetics:	7q22
MW:	122 kDa
Gene Summary:	membrane-bound enzyme; catalyzes the hydrolysis of Thyrotropin-releasing hormone (TRH) at the pyroGlu-His bond [RGD, Feb 2006]