

Product datasheet for RN211716

Trhde (NM_001108991) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trhde (NM_001108991) Rat Untagged Clone
Tag: Tag Free
Symbol: Trhde
Synonyms: PAP-II
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211716 representing NM_001108991
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCTGGACGGCGAGAGGGGGGAGCAAGAGGAGGAGAAGAAAAGAAGAAGAAGAAAAGAAGAGGA
 AGAAGAAGGAGGAGGAGGGGGCCGAGAAGAGCAGTTCACCGTTTTCGGCCACCATGGGAGAAGACGACGC
 CGCGCTCCGGCAAGCGGCAGGGGGCTCTCGGACCCGTGGCTGACTCGTGGGAGTGAGACCCCGCACC
 ACGGAGCGCCACATCGCAGTGCACAAGAGGCTTGTGCTGGCTTTTGCCGTGTCCATCGTGGCACTGCTGG
 CTGTACCCATGCTGGCCGTACTGCTCAGCCTGCGGTTTCGACGAGTGTGGAGCGAGCGCGCGATGCCGGG
 CACCGACGGTGGCCTCGGAGGCTTCCCTGAGCGTGGTGGCAACAGCAGCTACCCAGGATCTGCCCGGCGC
 AACCACCACGGGGTGAGGAATCCTCGCAGCGTGAGATCGGCGAGGTGGGCACCGCGGGGACCCCGTCTG
 CCCATCCGCCGTTCGGAGGAAGAGCAGGAGCAGTGGCAGCCCTGGACTCAGCTGCGCCTATCCGGCCACCT
 TAAGCCGCTGCACTACAATTTGATGCTCACCGCCTTCATGGAGAAGTTCACCTTCTCTGGGAGGTCAAC
 GTGGAGATCGCGTGCCAGAACGCCACCCGCTACGTGGTACTGCACGCTCCCGGGTGGCGGTGGAGAAGG
 TGCAAGTAGCGGAAGACCGGGCTTCGGGGCTGCCCCGTAGCAGGCTTTTCTCTACCCACAACCGCA
 GGTCTTGGTGGTGGTGAATAGAACCCTGGATGCGCAGAGGCACTACAATCTGAAGATTATCTACAAT
 GCCCTGATAGAGAACGAGCTTTTGGGCTTCTTCCGACGCTCCTACGTGATCCACGGGAGAGAAGATTCC
 TCGGTGTTACTCAGTTTTACCTACACATGCCAGGAAGGCATTTCCATGTTTTGATGAACCAATCTACAA
 GGCCACTTTCAAATCAGCATCAAACATCAAGCAACCTATTTGTCTCTCCAACATGCCCGTGGAAACA
 TCTGTGTTTGGGAAGATGGATGGGTAACAGATCACTTTTACAGACCCCTCTCATGTCCACATATTATT
 TAGCCTGGGCGATTTGCAACTTCACATACAGAGAACTACTACCAAGAGTGGGGTGTAGTTCGATTATA
 TGCAAGACCCGACGCTATCAGAAGAGGATCCGGGACTATGCTCTCCACATTACAAGAGATTAATAGAA
 TTTTATGAAGACTACTTTAAAGTGCCTATTCTTTGCCAAAAGTATGATCTTTAGCTGTGCCTAAGCATC
 CTTATGCTGCTATGGAGAACTGGGGACTAAGTATTTTTGTGGAACAAAGAATACTGCTGGATCCCGAGTGT
 GTCATCTATTTCTATTTGCTGGATGTCACCATGGTCATTGTTTCATGAAATATGTCACCAAGTGGTTTGGT
 GACCTTGTGACCCAGTGTGGTGGGAAGATGTGTGGTGAAGGAAGGCTTTGCTCACTACTTTGAATTTG



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TGGGTACAGACTACCTCTACCCTTCTGGAACATGAAAAAGCAGAGGTTTCTGACAGATGTTCTGCATGA
AGTGATGCTGCTTGACGGTTGGCCAGTCCCATCCAGTATCACAGGAAGTGCTACGGGCAACAGATATT
GACAAAGTGTGTTGACTGGATCGCATACAAAAAGGGTGTGCTTTAATAAGAATGCTGGCTAATTTTATGG
GCCATTCAGTTTTTCAGAGGGGATTGCAAGATTATTAACCATTCAAGTATGGCAATGCAGCCAGAAA
TGATCTCTGGAATACATTATCAGAGGCTTTAAAAAGGAATGAAAAATATGTGAACATAACAAGAGGTAATG
GATCAGTGGACACTCCAGATGGGATACCTGTTATCACCATCTGGGGAACATGACGGCAGAAAAACAGAA
TACTCATACCCCAACAGCACTTCATTTACGATATCGGTGCTAAAACCAAGCACTTCAACTTCAAACAG
CAGTTACCTGTGGCAGATTCCATTAACCATCGTGTAGGAAATAGAAGCCATGTGTCTTCAGAAGCAATT
ATTTGGGTGTCCAACAAATCAGAACATCACAGAATAACATACTTAGACAAAAGGAAGCTGGATCCTTGAA
ACATCAATCAAAGTGGCTACTTCAGAGTCAACTATGACCTAAGGAACTGGAGATTACTGATCGATCAGTT
AATCAGGAACCATGAGGTACTTTCTGTCAGTAACCGTGCAGGCCTGATTGATGATGCCTTCAGCCTGGCC
AGGGCAGGCTATTTGCCTCAGAATATCCCTAGAGATCATCAGATACCTCTCTGAGGAAAAGGATTTTC
TTCCTTGGCATGTGCCAGCCGAGCTTTATCCTCTGGATAAATTACTGGACCGCATGGAAAACACAA
TATCTTCAATGAATATATTCTAAAACAAGTGGCAACAACCTACAGCAAGCTTGGATGGCCAAAGAACAAC
TTCAATGGCTCTGTCGTTCAAGCTTCTATCAACATGAAGAGCTACGGAGGGAAGTGATAATGTTGGCCT
GTAGCTTTGGGAACAAGCACTGTACCAGCAGGGTCAACTCTTATTTTCAGACTGGATTTCCAGCAATAG
AAACAGAATACCACTGAATGTTAGAGACATCGTCTACTGCACAGGAGTGTCCCTGCTGGATGAGGATGTC
TGGGAATTCATCTGGATGAAATCCACTCCACTGCAGTTTCTGAGAAAAAGATATTGCTGGAGGCGC
TAACTTGCACTGATGACAGGAATTTACTAAGTAGGCTTCTGAATCTGCTCTGAATTTCTGAGGTGGTGT
GGATCAAGATGCAATTGATGTAATAATCCACGTAGCCAGAAAATCCACATGGCCGAGACCTTGCCTGGAA
TTTTTCAGAGATAAATGGAAAATACTAATACCAGGTATGGAGAAGCATTATTTATGAATCCAACTTA
TCAGTGGAGTTACAGAATTTCTAATACAGAAGGTGAACCTAAAGAGCTAAAGAAGCTTCAAGTGCCTA
TGATGGGTAGCATCTGCTTCTTCTCACGAGCCGTGGAACCGTGAAGCCAATGTGCGCTGAAAAAGG
CTTTATCAAGATGAGCTTTTCCAGTGGCTGGAAAAGCCATGAGGCACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001108991
Insert Size:	3201 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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
Gene Summary: membrane-bound enzyme; catalyzes the hydrolysis of Thyrotropin-releasing hormone (TRH) at the pyroGlu-His bond [RGD, Feb 2006]