

Product datasheet for RN214932

Tdrd7 (NM_138871) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd7 (NM_138871) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tdrd7
Synonyms:	Pctaire2bp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214932 representing NM_138871 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGAGGCAGATCTGGTCTCCAAGATGCTACGGGCTGTCCTGCAGTCTCATAAGAACGGGATAGTAC
TGCCCCGGCTCCAAGGAGAGTACCGCTCTTTGACTGGAGACTGGATCCCCTTCAAACAGCTGGGCTACCC
AACTCTGGAAGCGTATCTGAGGAGCGTGCCAGCGTTGTCAGGATAGAGGCTAGTAGATCTGGAGAGATT
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GAAACCCAAGGCAACCCTCAGACAACAGGATTTGCTTCAGACTATTCTATCAGCAAGAAACCCAATCCA
ACGCTGTTAAGAGAAAAAGGACACCTTGGGAGCTAAGGCTGATGTGGACATGCCACCTTACCCAGAGC
CTCCAGTGCAGAGGCACGTGAGCATGTCTGCCAACAGCAGTGTACGGTTTTAAGAAGTCACCCAGAGGC
CAGCAAGCTACAATTTATGGGCTACAGTCCAAAACCTCACTGTCTGCTTTTGTTCAGTCCAAAGTCATCC
CTGCCAGCACCTTTCCAGACACACATCTACGGGCCTGCCCTAAGGAAGTGAATGATAATTTAAATCAGA
CTGTTGAGAAACCAAATGTCACGCCTCCTGCCTTTACACTAATAAGATGGATGAGGTTCAAACCCGAT
AAAGGAAATATTAGACAAGCATAACAATGGCATTGGATCTCTAAGCTTCCACATTTTTACAAGAGTTTT
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AGGAGTATTACAGTAGGAACCCAGAGTACACCAATCCAGACCGTGACAGTGGGGCAGCTGCTGGCAGT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_138871
- Insert Size:** 3342 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:**
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_138871.1](#), [NP_620226.1](#)

RefSeq Size: 3874 bp

RefSeq ORF: 3342 bp

Locus ID: 85425

UniProt ID: [Q9R1R4](#)

Cytogenetics: 5q22

Gene Summary: binds to PCTAIRE 2, a Cdc2-related kinase expressed in the terminally differentiated neuron; contains five tudor-like domains; may mediate the regulation of mitochondrial function in the neurons [RGD, Feb 2006]