

Product datasheet for MC204140

Tdrd7 (NM_146142) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd7 (NM_146142) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tdrd7
Synonyms:	5730495N10Rik; AI447470; PCTAIRE2BP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC029689

```

GTCCCCGGGACGAGGCAAAGATGCTGGAGGCAGATCTGGTTTCAAAGATGCTAAGGGCTGTCTGCAGTC
TCATAAGAACGGGATCGTATTACCCCGTCTCAAGGAGAGTACCGATCTTTGACTGGAGACTGGATCCCC
TTCAAGCAGCTGGGCTACCCTACTTTGGAAGCCTACCTGAGAAGCGTGCCAGCAGTTGTCAAGGATAGAGG
CTAGTAGATCTGGAGAGATCGTCTGCTATGCAAGTGCAGCCTGCACAGAACTGCAAGGATCGCTCAGCTTGT
GGCTCGTCAGAGGACCTCTAAAAGGAAAATAGGGCGCAAATTAATTGTCAGATGAGAGTGAAGAAAGCC
ATGCCGTTCTTTTAGAAGGAAAGCCAAAGGCAACTCTCAGACAACCAGGATTTGCCTCAGATTATTCCA
TCAGCAGGAAACCTAATTCAGCGCTGTTAAGAGACAGAGGAAGCGCCTTGGGAGTTAAGGCTGACGTGGA
CATGCCCGGTACCCAGACACTCCAGTGCAGAGGCACGCGAGCATGTCTGCCAATAGCAGGTTCAAGTCCA
AAGTCATCCTTGGCAGCGCTTTTCCAGACACACATCTCAAGGGCCTGCCCTACGGAAGTCAATGATAATT
TAAATCAGACTGTTGAGAAACCAATATCACGCCTCCTGCCTTTACACTAATAAGATGGATGAGGTTCA
AAACCGCATAAAGGAAATATTAGACAAGCATAACAATGGCATTGGATATCTAAGCTTCCACATTTTAC
AAAGAGTTTTATAAAGAAGACCTTAACCAAGGAGTTTTACAGCAGTTTGAACACTGGCCTCACATTTGCA
CGGTGGAAAAACCTTGTGGTGGTGGTCAAGATTCACTTCTTTATCCTGCCAGGAGAGAGCAGCCCCGAA
AAGTGACCAGGACCTTGAGAAGGAGTCCCACCTCCACCTCCTGCCTCCAAGCAGGAGGTTCCATCCCAA
GGGAGCCCAGCAGTGATGCCAGATGTCAAGGAGAAAGTGGCAGAACTGCTGGGCAAGTACTCAAGTGGCC
TTTGGGCAAGTGCCTCCCCAAGCATTGAGGACATGTACAAAGTCAAGTTCCCTGAGGATGCCTTAAA
AAATCTCGCCTCGCTCTCTGATGTGTGCACCATAAACTACATTTCTGAAACACCCAGAAGGCAATTCTC
TATGCGAAACTCCATTGCCACTGACAAGATCTTAAAGGATGAAGGGCAGGCACAAGGAGATTTTGACA
TCAAGTCGATGATTGAACAAGAGTATTTGCAGATAGAAAAAACATGGCTGAAAGTGTGATGAGTTTCT
GGAGGACATAACTGTGCCGCTCTGGTAATTCCTACCGAGGCCTCACCGTCTGTGTTGGTGGTTGAGCTG
AGCAACACAAATGATGTGGTTATCAGGTATGTAGGCAAAGACTACTCAGCTGCTCAGGAAGTATGGAGG
ATGAGATGAAGGAGTTTTACAGTAAGAACCCAGAGTCACACCGATCCAGACTGTGCAGTGGGGCAGCT
GCTGGCAGTCAATGCAGAGGAGGATGCCTGGTTGCGAGCACAGATCATTTCCACGGATGAGAACAAGATA
AAGGTGTGCTATGTTGACTATGGCTTTTGTGAAAACATTGAGAAGAGTAAAGCGTACAGACTGAACCCAC
GGTTCTGCTCGCTTTCCTTTCAAGCCACCAAGTGAAGCTGGCAGGGTTGGAGGTTCTGAATGATGACCC
TGACCTTGTGAAGCGGTGGAATCACTAACATGTGGGAAGATCTTTGCTGTGGAGATCCTGGACAAGTCA

```



[View online »](#)

GATGTCCCCTGGTGGTGTGTACGACACGTCAGGAGAGGACGATATCAACATCAATGCCACCTGCCTCA
 AGGCAATATGTGACAGATCTCTACAAGTTCATCTCCAGGTGGATGCCATGTACACAAATGTCAAAGTGAC
 CAACATTTGCTCTGATGGAACACTCTACTGCCAGGTGCCCTGCAAGGGTCTGAATAAACTCAATGACCTT
 CTGCATAAGACAGAGGACTACTTCCACTGCAAGCACATGACCTCTGAGTACTTCACTCGCTACCCTTCT
 GTGGGAAGATCTGCCTCTCCATTGCAAAGGAAATGGTTACGAGTGGAGATCACTAATGTTTCATAGCAG
 CCGTGCACCTCGACGTTCCAGTTCCTGGACTCTGGCAATTCGACATCCGTGAAAGTGTGAGAACTCAGAGAA
 ATCCCACCGCGGTTCTGCAGGAAATGCTTGCCATACCCCTCAGGCTATAAAGTGTGCTTGGCTGATC
 TTCCACAGTCCATTGGCATGTGGACACCAGATGCTGTTCTGTGGTTAAGAGATTCTGTTTTGAATTGCTC
 GGACTGTAGTATTAAGGTTACAAAAATGGATGAGACCAAGGGGTTGCCTATGTGTACTTATCACTCCC
 AATAACTTCCCGGATCCCATCGCAGTATTAACCGGCAGATCACAAACGCAGACCTGTGGAAACATCAGA
 AGGATGTGTTTCTGAGCGCGGTGTCTACTGCGGCCAGTCCCCTGGCAACAGGAATGGTGGCACACCTGC
 TCCGGGCAGCCCTGCAGAGAGTCTCAGAAAGAGCCACCCAGAGTTATCAAGAAGTCTGCTGACCAT
 ACCAGCTCTTTCTCCTTGGAGGAACTGCCCCCTCTGTCCACCTGTCAAGGTCAGGGGAACACATGGATG
 TGTATGTGCTGTGGCCTGTACCCAGGCCATTTTGTCCATCCAGCCCTGGCAGGAGATCCATAAGCTAGA
 AGTGTGATGGAAGAGATGATCCTGTACTACAGCGTGTCCGAGGAGCGCCACATAGCGGTGGAGCGAGAC
 CAAGTGTACGCAGCCAAAGTGGAGAATAAGTGGTACAGGGTACTTTTAAAGGAATCCTGACCAATGGGC
 TGGTGTCTGTGTACGAGCTGGACTACGGCAAGCATGAGCTCGTCAACATAAGGAAAGTGCAGCCCCTAGT
 GGACGTGTTCCGAAAGCTGCCCTTCCAGGCGGTCAACCGTCAACTGGCAGGCGTGAAGTGCAGCCAGTGG
 TCGGAGGAGGCTTCGATGGTGTTCGAAATCACGTGGAGAAGAAAGCCCTGGTGGCGTGGTGCAGACAG
 TTGTTGAGCACACTAATCCTTGGGACCGGAAAGTGGTGTCTATCTCGTAGACACGTGCTGCCCCGACAC
 TGACACCTGGATTCATGACTTTATGTACAGTATCTGCTAGAGCTTTGAAAGTTAATTAATCACTGCTT
 GAGATGTTGACCCTAATGAGATTGTTCTCAAAGCAATAATACAAATGTGTAGGAGGGTCTTAAACAT
 CTTATTTTACTACATGGCTCTGACTGTTGTGGAGGATTGAAAAGAATATGCTTTGTTTGTGAAAGATA
 TTTAACAAGTTTTGTTTAAATGCAGTTGACTTTTCAAAGAAAAAATTGCACCTGAATTATTAATATAATATT
 AGAATAAAATGTTTAGCAATATAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_146142
- Insert Size:** 3261 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:** [BC029689](#), [AAH29689](#)
- RefSeq Size:** 3537 bp
- RefSeq ORF:** 3261 bp

Locus ID: 100121

UniProt ID: [Q8K1H1](#)

Cytogenetics: 4 B1

Gene Summary: Component of specific cytoplasmic RNA granules involved in post-transcriptional regulation of specific genes: probably acts by binding to specific mRNAs and regulating their translation. Required for lens transparency during lens development, by regulating translation of genes such as CRYBB3 and HSPB1 in the developing lens. Also required during spermatogenesis. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same isoform (2).