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Product datasheet for MC229386

Tdrd7 (NM_001290475) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd7 (NM_001290475) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tdrd7
Synonyms:	5730495N10Rik; AI447470; PCTAIRE2BP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229386 representing NM_001290475 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGGAGCCAGCAGTCTACAACCCAGAGGAGGGTCCTCAGCAGAACCGGACCAAGCTGGCACCCGGATC CTGGACTTTCAGCCTCCAGAACCGCAAAGATGCTGGAGGCAGATCTGGTTTCAAAGATGCTAAGGGCTGT CCTGCAGTCTCATAAGAACGGGATCGTATTACCCCGTCTCCAAGGAGAGTACCGATCTTTGACTGGAGAC TGGATCCCCTTCAAGCAGCTGGGCTACCCTACTTTGGAAGCCTACCTGAGAAGCGTGCCAGCAGTTGTCA GGATAGAGGCTAGTAGATCTGGAGAGATCGTCTGCTATGCAGTAGCCTGCACAGAAACTGCAAGGATCGC TCAGCTTGTGGCTCGTCAGAGGACCTCTAAAAGGAAAATAGGGCGACAAATTAATTGTCAGATGAGAGTG AAGAAAGCCATGCCGTTCTTTCTAGAAGGAAAGCCAAAGGCAACTCTCAGACAACCAGGATTTGCCTCAG ATTATTCCATCAGCAGGAAACCTAATTCAGCGCTGTTAAGAGACAGAGGAAGCGCCTTGGGAGTTAAGGC TGACGTGGACATGCCGCCGTACCCAGACACTCCAGTGCAGAGGCACGCGAGCATGTCTGCCAATAGCAGG TTCAGTCCAAAGTCATCCTTGCCAGCGTCTTTCCAGACACACATCTCAAGGGCCTGCCCTACGGAAGTCA ATGATAATTTAAATCAGACTGTTGAGAAACCAAATATCACGCCTCCTGCCTCTTACACTAATAAGATGGA TGAGGTTCAAAACCGCATAAAGGAAATATTAGACAAGCATAACAATGGCATTTGGATATCTAAGCTTCCA CATTTTTACAAAGAGTTTTATAAAGAAGACCTTAACCAAGGAGTTTTACAGCAGTTTGAACACTGGCCTC ACATTTGCACGGTGGAAAAACCTTGTGGTGGTGGTCAAGATTCACTTCTTTATCCTGCCAGGAGAGAGCA GCCCCTGAAAAGTGACCAGGACCCTGAGAAGGAGCTCCCACCTCCACCTCCTGCTCCCAAGCAGGAGGTT CCATCCCAAGGGAGCCCAGCAGTGATGCCAGATGTCAAGGAGAAAGTGGCAGAACTGCTGGGCAAGTACT CAAGTGGCCTTTGGGCAAGTGCGCTCCCCAAAGCATTTGAGGACATGTACAAAGTCAAGTTCCCTGAGGA TGCCTTAAAAAATCTCGCCTCGCTCTCTGATGTGTGCACCATAAACTACATTTCTGGAAACACCCAGAAG GCAATTCTCTATGCGAAACTCCCATTGCCCACTGACAAGATCTTAAAGGATGAAGGGCAGGCACAAGGAG ATTTTGACATCAAGTCGATGATTGAACAAGAGTATTTGCAGATAGAAAAAAACATGGCTGAAAGTGCTGA TGAGTTTCTGGAGGACATAACTGTGCCGCCTCTGGTAATTCCTACCGAGGCCTCACCGTCTGTGTTGGTG GTTGAGCTGAGCAACACAAATGATGTGGTTATCAGGTATGTAGGCAAAGACTACTCAGCTGCTCAGGAAC

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TGATGGAGGATGAGATGAAGGAGTTTTACAGTAAGAACCCCAGAGTCACACCGATCCAGACTGTGCACGT
GGGGCAGCTGCTGGCAGTCAATGCAGAGGAGGATGCCTGGTTGCGAGCACAGATCATTTCCACGGATGAG
AACAAGATAAAGGTGTGCTATGTTGACTATGGCTTTTGTGAAAACATTGAGAAGAGTAAAGCGTACAGAC
TGAACCCACGGTTCTGCTCGCTTTCCTTTCAAGCCACCAAGTGCAAGCTGGCAGGGTTGGAGGTTCTGAA
TGATGACCCTGACCTTGTGAAGGCGGTGGAATCACTAACATGTGGGAAGATCTTTGCTGTGGAGATCCTG
GACAAGTCAGATGTCCCGCTGGTGGTGCTGTACGACACGTCAGGAGAGGACGATATCAACATCAATGCCA
CCTGCCTCAAGGCAATATGTGACAGATCTCTACAAGTTCATCTCCAGGTGGATGCCATGTACACAAATGT
CAAAGTGACCAACATTTGCTCTGATGGAACACTCTACTGCCAGGTGCCCTGCAAGGGTCTGAATAAACTC
AATGACCTTCTGCATAAGACAGAGGACTACTTCCACTGCAAGCACATGACCTCTGAGTACTTCATCTCGC
TACCCTTCTGTGGGAAGATCTGCCTCTTCCATTGCAAAGGGAAATGGTTACGAGTGGAGATCACTAATGT
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CTCAGAGAAATCCCACCGCGGTTCCTGCAGGAAATGCTTGCCATACCCCCTCAGGCTATAAAGTGCTGCT
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GAATTGCTCGGACTGTAGTATTAAGGTTACAAAAATGGATGAGACCAAGGGGGTTGCCTATGTGTACTTA
TTCACTCCCAATAACTTCCCGGATCCCCATCGCAGTATTAACCGGCAGATCACAAACGCAGACCTGTGGA
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CACACCTGCTCCGGGCAGCCCTGCAGAGAGTCTCAGAAAGAGCCACCCAGAGGTTATCAAGAAGTCTGTC
CTGGACCATACCAGCTCTTTCTCCTTGGAGGAACTGCCCCCTCCTGTCCACCTGTCAAGGTCAGGGGAAC
ACATGGATGTGTATGTGCCTGTGGCCTGTCACCCAGGCCATTTTGTCATCCAGCCCTGGCAGGAGATCCA
TAAGCTAGAAGTGCTGATGGAAGAGATGATCCTGTACTACAGCGTGTCCGAGGAGCGCCACATAGCGGTG
GAGCGAGACCAAGTGTACGCAGCCAAAGTGGAGAATAAGTGGTACAGGGTACTTTTAAAAGGAATCCTGA
CCAATGGGCTGGTGTCTGTGTACGAGCTGGACTACGGCAAGCATGAGCTCGTCAACATAAGGAAAGTGCA
GCCCCTAGTGGACGTGTTCCGAAAGCTGCCCTTCCAGGCGGTCACCGCTCAACTGGCAGGCGTGAAGTGC
AGCCAGTGGTCGGAGGAGGCTTCGATGGTGTTTCGAAATCACGTGGAGAAGAAAGCCCTGGTGGCGTTGG
TGCAGACAGTTGTTGAGCACACTAATCCTTGGGACCGGAAAGTGGTGCTCTATCTCGTAGACACGTCGCT
GCCCGACACTGACACCTGGATTCATGACTTTATGTCACAGTATCTGCTAGAGCTTTCGAAAGTTAATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290475

Insert Size: 3360 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001290475.1, NP_001277404.1
RefSeq Size:	3658 bp
RefSeq ORF:	3360 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 (1) encodes the longer isoform (1).