

Product datasheet for RC239890

TDRD7 (NM_001302884) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TDRD7 (NM_001302884) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TDRD7
Synonyms:	CATC4; PCTAIRE2BP; TRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC239890 representing NM_001302884 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCCTGCACAGAACTGCAAGAATTGCTCAGCTTGTGGCTCGTCAAAGGAGTTCTAAAAGGAAAACCG
 GGCGTCAAGTTAATTGTCAGATGAGAGTGAAGAAAACCATGCCATTTTTCTAGAAGGAAAACCAAAAGC
 AACCTCAGACAACCAGGATTTGCTTCAAATTTTTCTGTTGGCAAAAACCTAATCCAGCACCGTTAAGA
 GACAAAGGAACTCTGTTGGAGTTAAGCCTGATGCTGAAATGTCTCTTATATGCTACACAACTCTTG
 GAAATGAAGCATTCAAAGACATTCAGTGCAAAGGCATGTGACCATGTCCACCAACAACAGGTTTAGCCC
 AAAGGCGTCCCTTCAACCACCTTTCAGATGCATCTCTCAAGAACCTCTACTAAGGAAATGAGTGATAAT
 TTAATCAGACTGTTGAAAAACCAATGTCAAGCCTCCTGCCTCTTACACTTATAAAATGGATGAGGTTT
 AAAATCGCATAAAGGAAATACTAAACAAGCATAAATGGCATTGGATATCTAAGCTTCCACATTTTGA
 CAAAGAGTTATATAAAGAAGACCTTAATCAAGGAATTTACAACAGTTTGAACACTGGCCTCATATTTGC
 ACGGTGGAGAAACCTTGCAGTGGTGGCCAAGATTTACTTCTTTATCCAGCTAAGAGAAAGCAGCTTTTGA
 GAAGTGAAGTGGATACTGAGAAAGTACCTCTATCCCCACTACCTGGTCCCAACAAACACCACCGTTGAA
 AGGGTGTCCAACAGTTATGGCAGGAGACTTTAAGAAAAAGTGGCAGACCTGCTGGTGAAATACACAAGT
 GGCCTTTGGGCCAGTGCCTTCCGAAAGCATTGAGGAAATGTACAAAGTGAAATTCCTGAGGATGCCT
 TAAAAAATCTTGCTCACTTTCTGATGTATGCAGCATAGACTACATTTCTGGAAATCCCCAGAAGGCCAT
 TCTCTATGCTAAACTTCCATTGCCCACTGACAAAATCCAAAAGGATGCAGGGCAAGCACATGGTGATAAT
 GATATCAAGGCTATGGTTGAACAAGAGTATTTGCAGGTAGAAGAAAGCATTGCTGAAAGTGCTAATACCT
 TTATGGAGGACATAACAGTTCTCTCTTAAATGATTCCAAGTGAAGCATCACCATCTGATTGGTGGTTGA
 ACTGAGCAACACAAATGAAGTGGTTATCAGGTATGTGGGCAAAGACTATTCTGCTGCTCAGGAATTAATG
 GAAGATGAGATGAAGGAATATTACAGTAAGAATCCTAAGATCACACCAGTCCAGGCTGTGAATGTTGGGC
 AGTTGCTGGCCGTAATGCCGAGGAGGACGCTGGTTACGGGCACAGGTATCTCAACAGAAGAGAACAA
 AATAAAGTATGCTATGTTGACTATGGTTTATGTAAGTGTGAAAAAGCAAAGCATACAAATTAAC


[View online »](#)

CCGAAGTTTTGTTCACTCTCATTTCAAGCTACAAAATGTAAGCTTGCAGGCTTGAAGTCTTAAGCGATG
 ACCCTGATCTAGTGAAGGTGGTTGAATCTTTAACTTGTGGAAAGATCTTTCAGTGGAAATCTTGACAA
 AGCTGACATTCCACTTGTGTTCTGTACGATACCTCAGGAGAAGATGATATCAATATCAATGCCACCTGC
 TTGAAGGCTATATGTGACAAGTCACTAGAGGTTACCTGCAGGTTGACGCCATGTACACAAATGTCAAAG
 TAACTAATATTTGCTCTGATGGGACACTCTACTGCCAGGTGCCTTGTAAAGGCTGAACAAGCTCAGTGA
 CCTTCTACGTAAAGATAGAGGACTACTTCCATTGCAAGCACATGACCTCTGAGTGCCTTTGTTTCATTACCC
 TTCTGTGGGAAAATCTGCCTCTTCCATTGCAAAGGAAAATGGTTACGAGTAGAGATCACAATGTTTACCA
 GCAGCCGGGCTCTTGATGTTTCAGTTCTGGACTCTGGCACTGTGACATCTGTAAAAGTGTGAGAGCTCAG
 GGAAAATCCACCTCGGTTTCTACAAGAAATGATTGCAATACCACCTCAGGCCATTAAGTGCTGTTTAGCA
 GATCTTCCACAATCTATTGGCATGTGGACACCAGATGCAGTGTGTGGTTAAGAGATTCTGTTTTGAATT
 GCTCGGACTGTAGCATTAAAGGTTACAAAAGTGGATGAAACCAGAGGGATCGCACATGTTTATTTATTAC
 CCCTAAGAACTCCCTGACCTCATCGCAGTATTAATCGCCAGATTACAATGCAGACTTGTGGAAGCAT
 CAGAAGGATGTGTTTTGAGTGCCATATCCAGTGGAGCTGACTCTCCACAGCAAAAATGGCAACATGC
 CCATGTGCGGCAACACTGGAGAGAATTTAGAAAAGAACCTCACAGATGTCATCAAAAAGTCCATGGTGA
 CCATACGAGCGCTTTCTCCACAGAGGAAGTCCACCTCCTGTCCACTTATCAAAGCCAGGGGAACACATG
 GATGTGTATGTGCTGTGGCCTGTCAACAGGCTACTTCGTATCCAGCCTTGGCAGGAGATACATAAGT
 TGAAGTCTGATGGAAGAGATGATTCTATATTACAGCGTGTCTGAAGAGCGCCACATAGCAGTGGAGAA
 AGACCAAGTGTATGCTGCAAAAGTGGAAAATAAGTGGCACAGGGTGCTTTTAAAGGAATCCTGACCAAT
 GGACTGGTATCTGTGTATGAGCTGGATTATGGCAAACAGAAATTAGTCAACATAAGAAAAGTACAGCCCC
 TAGTGGACATGTTCCGAAAGCTGCCCTTCCAAGCAGTACAGCTCAACTTGCAGGAGTGAAGTGAACCA
 GTGGTCTGAGGAGGCTTCTATGGTGTTCGAAATCATGTGGAGAAGAAACCTCTGGTGGCACTGGTGCAG
 ACAGTCATTGAAAATGCTAACCTTGGGACCGGAAAGTAGTGGTCTACTTAGTGGACACATCGTTGCCAG
 ACACCGATACCTGGATTATGTTTTATGTCAGAGTATCTGATAGAGCTTCAAAAGTTAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239890 representing NM_001302884
 Red=Cloning site Green=Tags(s)

MACTETARIAQLVARQRSSKRKTGRQVNCQMRVKKTMPFFLEGPKATLRQPGFASNFSVGKKPNPAPLR
 DKGNSVGVKPDAMSPYMLHTTLGNEAFKDIPOVRHVTMSTNNRFSKASLQPPLQMHLSRTSTKEMSDN
 LNQTVEKPNVKPPASYTYKMDEVQNRRIEILNKHNNGIWISKLPHFYKELYKEDLNQILQQFEHWP
 TVEKPCSGGQDLLLYPAKRKQLLRSELDTEKVPLSPLPGPKQTPPLKGCPTVMAGDFKEKVADLLVKYTS
 GLWASALPKAFEEMYKVKFPEDALKNLASLSDVCSIDYISGNPQKAILYAKLPLPTDKIQKDAGQAHGDN
 DIKAMVEQEYLQVEESIAESANTFMEDITVPLMIPTEASPSVLVVELSNTNEVVIRYVGKDYSAAQELM
 EDEMKEYYSKNPKITPVQAVNVGQLLAVNAEEDAWLRAQVISTEENKIKVCYVDYGFSENVEKSKAYKLN
 PKFCSLSFQATKCKLAGLEVLSDPDLVKVVESLTCGKIFAVEILDKADIPLVVLVYDTSGEDDININATC
 LKAICDKSLEVLQVDAMYTNVKTNICS DGTLYCQVPCKGLNKLSDLLRKIEDYFHCKHMTSECFVSLP
 FCGKICLHFKGKWLVRVEITNVHSSRALDVQFLDSGTVTSVKVSELREIPPRFLQEMIAIPPQAIKCCLA
 DLPQSIGMWTPDAVLWLRDSVLNCSDCSIKVTKVDETRGIAHVYLFPTKNFPDPHRSINRQITNADLWKH
 QKDVFLSAISSGADSPNSKNGNMPMSGNTGENFRKNLTDVIKKSMDVHTSAFSTEELPPPVLHLSKPGHEM
 DYYVPVACHPGYFVIQWQEIHKLEVLMEEMILYYSVSEERHIAVEKDQVYAAKVENKWHRVLLKGILT
 NGLVSVYELDYGHKELVNIRKVQPLVDMFRKLPFQAVTAQLAGVKCNQWSEEASMVFRNHVEKKPLVALVQ
 TVIENANPWDRKVVVYLVDTSLPDPTDIHDFMSEYLIELSKVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001302884

ORF Size: 3072 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:

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.

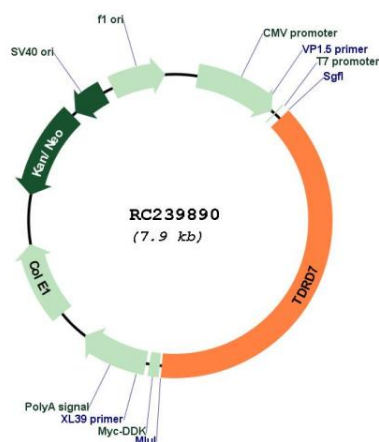
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001302884.2](#)

RefSeq Size: 3572 bp
 RefSeq ORF: 3075 bp
 Locus ID: 23424
 UniProt ID: [Q8NHU6](#)
 Cytogenetics: 9q22.33
 MW: 115.8 kDa

Gene Summary: The protein encoded by this gene belongs to the Tudor family of proteins. This protein contains conserved Tudor domains and LOTUS domains. It is a component of RNA granules, which function in RNA processing. Mutations in this gene have been associated with cataract formation in mouse and human. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC239890