

Product datasheet for **MR209760**

Tdrd3 (NM_172605) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrd3 (NM_172605) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tdrd3
Synonyms:	4732418C03Rik; 6720468N18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209760 representing NM_172605
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAGGTGTCCGGCGCCGTTGTCCAGGCGGGTTGGTACCTTTCAGATGAAGGCGTTGAAGCCT
 GCACAAGCTCTCCTGGGAAAGGCAGCATAAATGACATCATCCTGATTGCTCTCAATACAGATTTGAGAAC
 AATTGGCAAGAAGTTCCTTCCCAGTGACATCAACGGTGGAAAGGTAGAGAAGCTTGAAGGTCATGTGTC
 TTACAAATTCAGAAGTCCGCAATGTTGCTGCGCCAAAGGATAACGAGGAATCGCAAGCTGCGCCAAGGA
 TGCTCCGCGTGACAGTACGGATGGGCATAACAAGTTGTACGGCAGTAGAATTCAGTTATATTTCAAAAAT
 AAGCCTGAACACACCACCTGGCACAAGTGAAGCTCTCTGGCACTGTGGACATAAAGAACGGATTCTCTG
 CTCTTAAGTGACTCTAACACCACAGTCTTGGTGGTGAAGTGGAAACCTAATTGACAAGTGGGCTTTAC
 AGAGAAGCTTATTAAGCATAACAGAAGCAATATTGGAGCTGAAGTGGCCACCTCTTTTCTACCTTT
 TGGGCAGAAGTGTGCATCTAACGTCCAAGTGGATAGCAGAGAGCTTGATCGAAGAAGACATTACAAGTT
 TCCTGCCTGCCAAGCCTGCAAAATGATAATGATGAATTTGAAAAGCAAAGAACTGCTGCCATTGCAGAGG
 TTGCAAAGAGCAAAGAGACCAAGACATTTGGAGGAGGTGGAGGTGGTCCAGAAGTAATCTCAATATTGG
 TGCTGCTGGTACCGAAATAGGGAGTTTTACAGAAGGAAAAGGCTTCCAAGTCAGAGAGCAAGAACGAA
 GGTGTCTATAGAGAATTGGTTGATGAGAAAGCCCTGAAACACATAACAGAAATGGGCTTCAGTAAGGAGG
 CCTCAAGGCAAGCGCTGATGGATAATGCCAACACTTAGAAGCAGCACTGAATGTCCTTCTGAACAGCAG
 TAAACAGAAGCCTGCTGTGGGCCCTCCTGCTAGAGGAAGAGGGAAAGGCAGGGGTGAGGACGATCAGAA
 GATGAGGAAGACCTGGGAACCGCAAGACCGTCAGCACCACAGCAGTATTTGATTTCTTGGAGTCTAAAA
 TGGGAACCTGAAATGTGGAAGAACCTAAGTCACAGCCACAGCACCTTCATCAAGGACAGCAGAGGAGG
 GAATGCCGAGCAAATGGGATGAAGGACGGCACTCAGTCAAGACATCTTCCCTCGAAACGATACCAGGCAG
 CCAAGAAATGAGAGGCCACCTCGCTTTCAAAAAGACACCCCAACTTCCAAGTCAACTGTAGAAAACAGCG
 TATTATCTAGAAAATAGAGGCTCCGAAAGGCCGAGTAGTTCCTCAGGTTCTGATGTATGGGCAGAAGAGAG
 GATCAAGTGTGACAGGCCATATTCTAGGTATGACAGAACTAAAGACGCTTACATCCTCTAGGCCTTCAG
 CACAACGATGGTGCTTTTAAAAAGAGAGAGAACTCTATGCAAAACAGACCAGGAAGAGGCCCTTTGTATG
 CAGAGGCCAAAGAAAACCCACTTCTCCAGAATTCGTAGATTACAATAATCAAAGACGTGGGAGAAGAGA
 AAACCAACAGGTCATCCTGATCACTGTTATGAGAGGAAACCACGACAATGAATAGTGAAGCTGTTAGT
 GGTCTAAAAATTGAGAAACATTTTAGTGTAAACACTGATTACCCGAGGCCTGTGCAGAGCAATAGCTTG
 GTGTTCCAAATGGAGAGACAGCTCCGCCTCTGAAAGGAAGGCGCTAGGACCGATTAAAGTCAAGCAGGACC
 TGTACAGCTGTGCCCTACGATGATAAAATATTTATAATAGTGGGCCAAAAGAAGGTCTGGGCCAATT
 AAGCCTGAAAAGGTGATAGAATCATCTATTCTGTGGAGTATGCAAAAGTGTGGAACCTGGCGATGAAT
 GTTTTGCACCTTATTGGGAAGACAACAAGTTTTACCGAGCAGAAGTTGAAGCCTTGCATTCTCGGGTAT
 GACAGCGGTGTTAAGTTCACGGACTACGGCAACTATGAAGAGGTGCTACTGAGCAATATCAAGCCTGTT
 CAGACAGAGGCATGGGAAGAAGAAGGCACCTATGATCACACCATTGAGTCCGCAGAGGAGGTGATGGAC
 AGCCACGAAGGTCTACTCGGCCAACGCAGCAGTTTTACCAACCTCCTCGAGCTCGGAAC

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA**

Protein Sequence: >MR209760 representing NM_172605
 Red=Cloning site Green=Tags(s)

MAEVSGAALSQAGWYLSDEGVEACTSSPGKGSINDIILIALNTDLRTIGKKFLPSDINGGKVEKLEGPCV
 LQIQKVRNVAAPKDNEESQAAPRMLRVQMTDGHTSCTAVEFSYISKISLNTPPGTVKLSGTVDIKNGFL
 LLSDSNTTVLGGVEVHLIDKWALQRSLKHNRSNIGAEGGPPFPFGQKASNVQVDSRELDRRKTLQV
 SLPAPKANDNDEFKQRTAAIAEVAKSKEKTKTFGGGGGGARSNLNIGAAGHRNREVLQKEKASKSESKNE
 GVYRELVDEKALKHITEMGF SKEASRQALMDNANNLEAALNVLLNSSKQKPAVGPPARGRGKGRGRSE
 DEEDLGTARPSAPSTLDFLESKMGTNLNVEEPPKSQPQHLHQGQHRGWNAEQNGMKDGTQSRHLPRNDTRQ
 PRNERPPRFQKDTPTSKSTVENSVL SRNRGSERPSSSSGSDVWAEERIKCDRPSRYDRTKDASHPLGLQ
 HNDGAFKKRENSMQNRPGRGPLYAEAKENPLPEFVDYNNQRGRRENQTGHPDHCYERKPRMTNSEAVS
 GLKIEKHFVNTDYPRPVQSNLSLGVNGETAPPLKRRVGP IKSAGPVTAVPYDDKIFVNSGPKRRSGPI
 KPEKVIESSIPVEYAKVWKP GDECFALYWEDNKFYRAEVEALHSSGMTAVVKFTDYGNYEEVLLSNIKPV
 QTEAWEEEGTYDHTIEFRRGDQPRRSTRPTQQFYQPPRARN

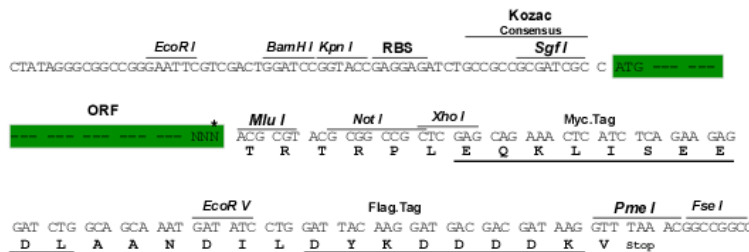
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9081_e07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_172605

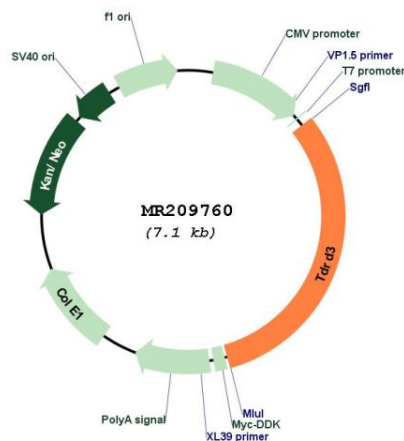
ORF Size: 2229 bp

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:	<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_172605.3, NP_766193.3</u>
RefSeq Size:	2717 bp
RefSeq ORF:	2232 bp
Locus ID:	219249
UniProt ID:	<u>Q91W18</u>
Cytogenetics:	14 E1
MW:	82.3 kDa
Gene Summary:	Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci. In cytoplasm, may play a role in the assembly and/or disassembly of mRNA stress granules and in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209760