

Product datasheet for **RC224435**

TDRD10 (NM_001098475) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TDRD10
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224435 representing NM_001098475
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCTCTGGAACATTAGTCACCCCAACTCTCTGATAAACTGTTTGGGAAGAATGGAGTGTTGGAGGAGC
AGAAATCTCCAGGATTCAAGAAAGAGAGACAGAGGTGTATGTTGGCAATCTTCCACTGGATATTTCTAA
GGAGGAAATTCTGTACCTTCTAAAGGACTTCAACCCTCTTGATGTCCACAAAATCCAGAATGGCTGCAAA
TGCTTTGCATTGTAGATCTGGGCTCCATGCAGAAAGTGACACTTGCAATCCAGGAGCTGAATGGTAAAC
TCTTCCACAAGCGAAAAGTGTCTGTAATACAAGCAAAAGGCCCCCAAGAGGACCCCTGATATGATCCA
GCAGCCTCGGGCCCGCTGGTGTGGAGAAGGCTTCTGGTGAAGGATTTGGCAAAACCGCCGCTATTATA
CAGCTCGCTCCTAAAGCTCCTGTTGACCTGTGTGAGACAGAGAACTGAGGGCAGCCTTCTTTGCAGTCC
CGTTGGAAATGAGAGGGTCCTTCTGGTGTCTCTGAGGGAATGCTTCCGAGACCTGAGCTGGCTGGC
ACTCATCCATAGCGTCCGTGGGAGGCGGGGCTGCTGGTGACGAGTATCGTCCGAAGACCCGTTTTTC
TGGGCCATGCACGTCACCTGAGGCTCTGCACCAGAACATGCAGGCTCTGTTAGCACCTGGCTCAGGCGG
AGGAGCAGCAGCCCTACCTGGAGGGCTCCACCGTTATGCGCGGACTCGCTGTCTGGCAGAGTACCACCT
GGGGGATTATGGACACGCTGGAACAGGTGTTGGGTGCTGGACAGGCTGGACACCTGGGCTGTGGTCATG
TTCAATTGATTTGGACAGTTGGCCACCATCCCTGTGCACTCTGCGCAGCCTAGACAGCGACGACTTCT
GGACATCCACCCCTGACTCAGCCATTGCTGGAGAAAGACATTTGAGTTCGTATGAGGTTGTCCA
TCGAATCCTCAAAGGGAAAATCACTGGTGTCTTGAACCTCGGCGGTAACCTGCTCTGCATCTAACTGGCT
GTTGTCCCTCACTCCTGCCCTTGGGTGTCTGCAGCAGGCTGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC224435 representing NM_001098475

Red=Cloning site Green=Tags(s)

MSWNISHPQLSDKLFGKNGVLEEQKSPGFKKRETEVYVGNLPLDISKEEILYLLKDFNPLDVHKKIQNGCK
CFAFVDLGSQMVKVTLAIQELNGKLFHKKRLFVNTSKRPPKRTPDMIQQPRAPLVLEKASGEGFGKTAII
QLAPKAPVDLCETEKLRAAFFAVPLEMRGSFLVLLRECFRDL SWLAL IHSVRGEAGLL VTSIVPKTPFF
WAMHVTEALHQNMQALFSTLAQAEQPPYLEGSTVMRGTRCLAEYHLGDYGHAWNRCWVLD RVD TWAVVM
FIDFGQLATIPVQSLRSLDSDDFWTIPPLTQPFMLEKDILSSYEVVHRILKGKITGALNSAVTAPASNLA
VVPPLLPLGCLQAAA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

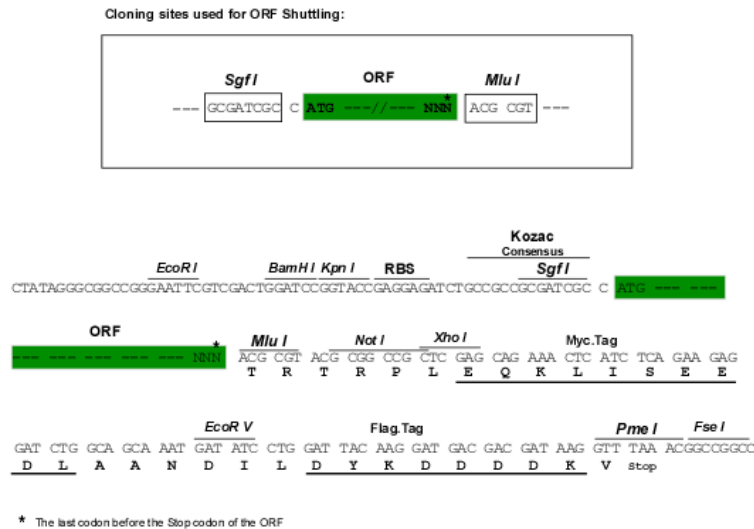
Chromatograms:

https://cdn.origene.com/chromatograms/mk8043_g03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001098475

ORF Size:

1098 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_001098475.1](#), [NP_001091945.1](#)

RefSeq Size: 2544 bp

RefSeq ORF: 1101 bp

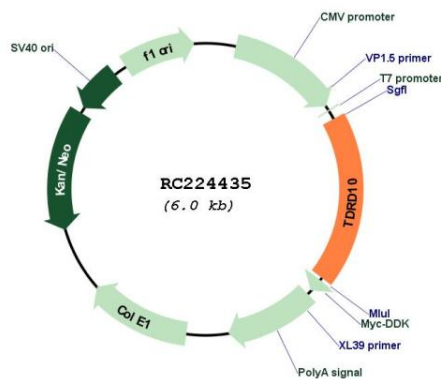
Locus ID: 126668

UniProt ID: [Q5VZ19](#)

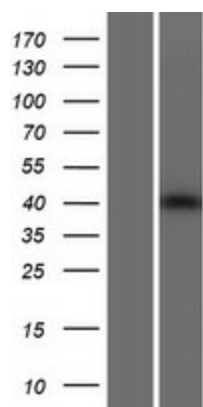
Cytogenetics: 1q21.3

MW: 40.8 kDa

Product images:



Circular map for RC224435



Western blot validation of overexpression lysate (Cat# [LY420584]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224435 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).