

Product datasheet for **RR216912**

Tdrkh (NM_001014038) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tdrkh (NM_001014038) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tdrkh
Synonyms:	RGD1311196
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216912 representing NM_001014038
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCACCGAACGAACCTTCATGGACAAACCTGTCCACTATTCAGAAAATAGCCCTGGCCCTGGGAATTC
 CAGCAAGTGCGACAGTTGCCTACATCCTGTATCGTCGATACAGGGAAAGTAGAGAAGAGAGATTGACATT
 TGTGGAGAAGATGACATTGAAATAGAGATGCGAGTTCCTCCCAAGAACTGTGAAGCTCATATTGGTCGA
 CAAGGAGCCAATATTAACAGCTGCGGAAGCAGACAGGTGCTCGGATTGATGTGGACACGGAGGATGTAG
 GCGATGAGCGGGTGTGCTGATCAGTGGTTTTCTGTTCAAGTGTGCAAGGCCAAAGCAGCAATCCATCA
 AATCCTGACAGAGAACACCCAGTGTGGAGCACTCTGTCCCCAGAGATCTGTGGCAGAATCATA
 GGGAGAGCGGTGAGACCATTCTTCTATCTGTAAGGCTTCTGGAGCCAAAATCACTTGCACAAGGAAT
 CAGAGGGAACATTACTACTCTCACGACTTATAAAAATCTCAGGAACACAGAAGGAAGTGGCTGCAGCCAA
 GCATCTGATACTGGAGAAAGTTTCAGAAGATGAGGAACCTCGGAAGAGAATTGCCATTCTGCAGAAACC
 AGAGTCCCCGAAAGCAGCAATCAGCGTGAGAAGAGAGGAAGTACAGAGCCTGGTGGAGCTGGAGAAG
 CAGCTTTATGAAAAATACAAATTTCTAGCATGGGACCAGCTGCACCCCTGGAAGTTCCTCTCCGCAAAGG
 AGGTGGTGATATGGTTGTTGTAGGACAAAAGAAGTTCTGGGAGAAACCTAATGATGACAGCTTTTCAG
 AATTCTGGTGCCAGAGCAGTCCAGAGAGCTCTATGTTTGAATTTCCAGTCTGACTTCAGTTCCATG
 CTGATGAGTACCTAGAAGTCTACGTTTCTGCTTCTGAACCCCTAACCCTTCTGGATCCAGATCATTGG
 TTCCCGCAGCCTACAGTTGGATAAACTTGTCAGTGAGTAGCCAGCACTATGAGAATAGTCTGCCTGAA
 GGCTGACTGTGCATGTAGGAGACATTGTAGCAGCACCCCTATCTACAAATGGTTCTGGTATCGAGCCC
 GGTTCTGGGAACCTTGGAAAATGGAACTTGGACCTCTACTTTGTTGACTTTGGAGATAATGGAGATTG
 CCCACTAAAGGATCTCAGGGCTCTCAGGAGTGACTTTCTAAGTCTCCATTTCAGCAATAGAATGCAGT
 CTGGCACGGATTGCCCTCAGGTGAAGAGTGGGAAGAGGAAGCTCTAGATGAGTTTGACAGACTCACTC
 ACTGTGCTGACTGGAAGCCCTGGTGGCCAAGATTTCTAGCTATGTCCAGACTGGAATTTCAACTTGGCC
 AAAGGTCTATTTATGATACCAGCAATGGAAAGAACTTGATATTGGGCTAGAATTAGTTCGTAAGGA
 TATGCAGTTGAACCTCCTGAAGACATGGAAGAAAATAGAAGTGTCCAGATATGTTGAAGGACATGGCCA
 CAGAAACAGATGATTCTTGAAGCATACTCACTGAGACAAAAAGAGCCCTGAAGAGATACCACATAC
 CCTGCTGCCTCAGCTTATCAGAAGCTGCCTCTATGCTGGTGTGATAACCTGAAGATGACTTATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216912 representing NM_001014038
 Red=Cloning site Green=Tags(s)

MSTERTSWTNLSTIQKIALGLGIPASATVAYILYRRYRESREERLTFVGEDDIEIEMRVPQEAVKLIIGR
 QGANIKQLRKQTGARIDVDTEVDGERVLLISGFVPVQVCKAKAAIHQILTENTPVFEQLSVPQRSVGRII
 GRGGETIRSICKASGAKITCDKESEGLLLSRLIKISGTQKEVAAAKHLEKVSSEDEELRKRIHSAET
 RYPRKQPISVRREEVTEPGGAGEAALWKNNTSSMGPAAPLEVPLRKGGDMVVVGPKEGSWEKPNDDSFQ
 NSGAQSSPETSMEFIPSPDFSFHADLEYVYVSAEHPNHFQIIGSRSLQLDKLVSEMTQHYENSLPE
 DLTVHVGDIVAAPLSTNGSWYRVRVLTLENGNLDLYVDFDNGDCPLKDLRALRSDFLSLPFQAI ECS
 LARIAPSGEEWEEALDEFDRLTHCADWKPLVAKISSYVQTGISTWPKVYLYDTSNGKKLDIGLELVRKG
 YAVELPEDMEENRTVPDMLKDMATETDDSLASILTETKKSPEEIPHTLSCLSLSEAASMSGDDNLEDDL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001014038

ORF Size: 1680 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.

RefSeq: [NM_001014038.2](#), [NP_001014060.2](#)

RefSeq Size: 1970 bp

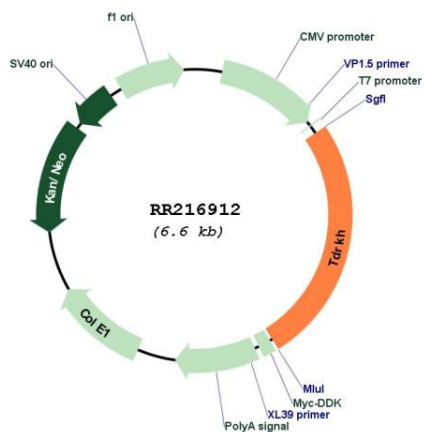
RefSeq ORF: 1683 bp

Locus ID: 310652

Cytogenetics: 2q34

MW: 62 kDa

Product images:



Circular map for RR216912