

Product datasheet for **RR204675**

Ddx51 (NM_001107150) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx51 (NM_001107150) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204675 representing NM_001107150
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGTTCACATAGCGCGGTACGCGGGCCCGAGGCTGCGGGGCTGGGGGATACGGAGGCAGAGG
 CCGGAGGCCGAGCTCGAGTGCTTCTGGAGCGACTGCAGAACAGAGCCCGTGAGCGGGAGCAGCGGCAGCC
 GGAGCTCGAGTCCACCGGACGGCTGCGGAAGCGCCAGTTAGGCGGCGACGGCGGCCCGACGGCGGCGT
 GGGGTGAGCGGCTCGGTGGCTGAGAAGCCGAGGCTCCTAGGGCTAAGCGGCAGAAAGTGAAGACGACG
 TGGACGCGAGGAGAGGTGAGGAGACGCCGAGGAGCTCAGTGAGAGTGCAGAGGACCCAGGTGAGAGCCC
 TCAGGAGGATGTCCAGAGACCCAGCTCCAGGCCGGGTGTTGGGGGACTTTGCAAGGAAGAAGGTTCCG
 AAGGTCCAGCCTTTCCTGCCAGCATGGTTGGCCAAGCCAAGCTGTGTCAAGAAGAGTGTCACTGAGGATC
 TTA CTCTATTGAGGACATCCCTGAGGTTACCCCTGACTTGCAAGACAGTTGAGGGCTAATGGCATCTC
 TTCCTACTTTCCAGTCCAGGCAGCTGTGATTCCCGCCCTCCTCGAGAGTGTGACAATGGATTTCTCGTA
 GGAGAGGTGGCTACCAACCTAGTGACCTCTGCGTTTCTGCCCAACAGGCAGTGGGAAAACACTGGCCT
 TTGTATCCCCCGTGGTGCAAGCCCTGTTGCATCGAGTGGTCTGTACATCCGTGCGCTGGTTGTGCTTCC
 CACTAAGGAGCTGGCCCAACAGGTGAGCAAAGTATTCAACATCTACACGGACACCACACCTCTGCGGGTT
 GCCTTGGTGACTGGACAGAAGTCACTGGCCAAGGAGCAGGAGAGCCTTGTCCAGAAGACAGCAGATGGTT
 TCTGTTGCTGGTGACATTGTGGTGGCCACACCTGGCCGCTGGTGGACCACATTGACCAGACTCCAGG
 ATTCAGCCTCCAGCAGCTCCGCTTCCTGATCATTGATGAGGCTGACCGGATGATAGACAGCATGCACCAG
 TCCTGGCTGCCACGAGTGGTGGCGGCAGCCTTCTACACTGAGGACCCACAGGCTCCTGTGCCCTGCTCC
 AGAGGACACAGCCCCAGGCTGTGACTGCTGCCAGCACCTGCATTCCCCAGATGCCTCTGCAGAAGCTGCT
 GTTCTCAGCCACACTGACCCAGAACCCTGAGAAGCTGCAGCGCCTCGGCCGTGTACCAGCCAAGGCTTTTC
 TCCACAAGGCTGGGACACCAAAGCCCTAGAGACACAGTTGAGGTGGATGAAAACCTGGGGAAGTACACCT
 TCCCTGTGGGGCTCACGCATCACTATGTGCCATGCAGACTCAGCTCGAAGCCACTCATTGTCTTTACCT
 GGTCTTGGGATGAAGTTCTCGAGGGCTCTTGTCTTCCAACTCCCGAGAGAATCCCACAGGCTCTTC
 CTGTTAGCACAAGCTTTTGGGGGTGTGAGTGTGGCTGAATTCTCTCCGCTATGGGCTGGCCAAAGGA
 AGAAAATCTTGAAGCAGTTTGAACAGGGAAGATCCAGCTGGTAGGGAGAACAGCCCGAGCTGGGAAAAC
 TGGACAGGCTTCACACTTCTCTTGAAGTGCAGGAAAGGAAGTTCCTTCAGATGGTGTGAGAAGCTGGG
 GTGCTGAGCTGGCATGCCATGAGGTCCCAGGAAGCTCCTGCAGCCACTGGTTGCTCGTTACGAGACAG
 CCTGTCTCAGCTGGAGAAAAGTCAAGGAGGAACAAAGCTGAAGGCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204675 representing NM_001107150
 Red=Cloning site Green=Tags(s)

MALFHIARYAGPEAAGLDTEAEAGGRARVLLERLQNRAREREQRQPELESTGTAAEAPVRRRRRPRRRR
 GVSGSVAEKPEAPRAKRQKVEDDVGAGGEETPEELSESAEDPGESPQEDVQRPAPGRVLGDFARKKVP
 KVQPFPLPAWLAKPSCVKKSVTEDLTPIEDIPEVHPDLQKQLRANGISSYFPVQAIVIPALLESADNGFLV
 GRGGYQPSDLCVSAPTGSGKTLAFVIPVVQALLHRVVCHIRALVVLPTKELAQVSKVFNIYDTTPLRV
 ALVTGQKSLAKEQESLVQKTADGFCCLADIVVATPGRLVDHIDQTPGFSLQQLRFLIIDEADRMIDSMHQ
 SWLPRVAAAAYFTEPTGSCALLQRTQPQAVTAASTCIPQMPLQKLLFSATLTQNPKEKLQRLGLYQPRLF
 STRLGHQSPRDTVEVDENLGKYTFPVGLTHHYVPCRLSSKPLIVFHLVLGMNFSRALCFTNSRENSHRLF
 LLAQAFGGVSVAEFSSRYGPGQRKKILKQFEQGIQLVGR TARAGKTGQAF TLLKLVQERKFLQMVSEAG
 VP ELACHEVPRKLLQPLVARYETALSQLEKTVKEEQKLKAA

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001107150

ORF Size: 1803 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_001107150.1](#), [NP_001100620.1](#)

RefSeq Size: 2619 bp

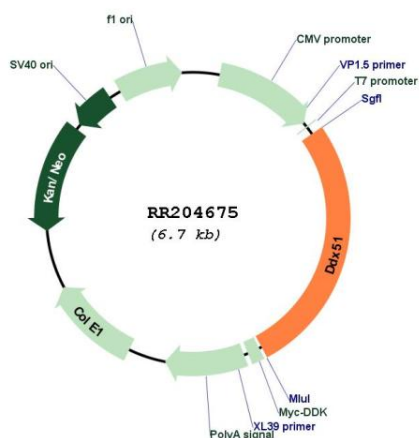
RefSeq ORF: 1806 bp

Locus ID: 304570

Cytogenetics: 12q16

MW: 66.3 kDa

Product images:



Circular map for RR204675