

Product datasheet for **RR200971**

Ddx31 (NM_001107824) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx31 (NM_001107824) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR200971 representing NM_001107824
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGGCAACAGAGGCTACCAAGAGAAAGCACCAAGTGTCAGCGATGCTCCACCAGCAAACGGA
 GGAATGAAATATCCTCTCTTTACGCCAAGAAAGCCAGCAATAAAGAACTCAGAGAGCATTTAAAGGGAG
 CGCACACAAAACATTTCTCCAAAGAAGCATTTGGACACTATAGCAATGAAAGGCAAGAGGAGAAGCCG
 TGTGTTAAGACTTCGTCGCTGTTAAAAACAATCCCGAGATCCCAGAATCCACAGAACAGTAGTGAAGC
 AGGCTCGAGAGCAAGTGTCTCTCCAGAAGCTTCCAGGAGCTGGACCTCCACCCACATCTAATTTCCAC
 AATAAATACAGTTTTAAAAATGTCCAGTATGACCAGTGTCCAGAAGCAGAGTATCCAGTGTCTGTGAA
 GGCAGAGATGCCCTGTGCGCTCGCAGACGGGCTCAGGAAAACCTTGCCTATTGCATCCCTGTGGTCC
 AGTCTCTCAAGCACTGACATCAAAAATACAGCGTAGTGATGGCCCTATGCTTTGGTCTAGTGCCAC
 CAGAGAGTTGGCTCTGCAAAGCTTTGACACTGTTCAGAAGCTACTTAAGCCATTTACCTGGATTGTTCT
 GGAGTGTGATGGCGGAGAGAAGAGAAATCAGAAAAGGCCAGACTCCGCAAAGGCATAAATATCCTTA
 TCTCAACTCCTGGCCGGTATAGTGGATCATATAAATCCACAAAGAACATTCACTTAACCAGTACGGTG
 GCTGGTTGTGGATGAAGCAGACAGGATCTTGGATTTGGGCTTTGAGAAGGATGTCACCGTATTCTGAAT
 GCTGTAATGCTGAGTGTGAGAAGCGGCAGAAATGTCCTCTGTGACGACACTCACGGAAGGTGTAACCT
 GGCTGGCTGATATCAGTTTGACAATCCAGTCAGTATCTCTGTCTGGACAAAAGTTGGGACCAGCCAA
 TCCTAAGGAAGTGTAGTATCCAGCTGGACAGCTTTGCCATACCAGAGAGTCTCGACCAGTATGTGGT
 TTGGTTCCAGCAAGCTGCGCCTGTCTGCCTTGACGCTTATCCTGAAGAAGTGAAGTTTGAGAAGG
 ACCAGAAGATGATTGTCTTTTCTCAAGTTGTGAGCTGGTAGAGTCCACTACAACCTCTCCTTCACAC
 CCTGCTTTGCCACTCCGGGACCCCTGTTTCAGAGACGCTGCCATCTGCCTCCTGGCCACTGAAATTCCTT
 CGGCTGCATGGCAACATGAAGCAGGAGGAAAGAACTTCTGTGTTTCATGAGTTCACATTCTGGAAGT
 GAGTCTACTCTGCACAGATGTTGCATCTCGAGGCTTGGATCTCCACAAGTACCTGGATTGTTTCAGTA
 CAGTGCTCCGCTGCACCTGCAGAGTACATTCACCGCATTGGAAGGACTGCCCGGATCGGCTGTCATGGG
 AGCAGCCTGCTCATTTTGGCTCCTTCGGAGGCAGAGTATGTCAACTCGTTGGCTTCTCACAAAATCAATG
 TCTCTGAGATTAAGCTGGAAGGTATTTTGGCTGTCTGGCAAAGGATGATTGTTTTAAAGGAGACAAAG
 GGGAGCCAGAGATCCCATGCCACTGGCCCCAGGAAATCCGAGAGCGAGCCACGGTGTTCAGACAGTG
 TTTGAAGATTATGTGACTCCAGTCAGAGGATGGTCTCCTGGCAAAGAAAGCCCTGCAGTCTTATCC
 GAGCCTATGCCACCTACCCAAGGAGCTGAAGTCTATCTCCATGTCCGGTCCCTACACCTTGGCCATGT
 GGCTAAGAGTTTTCGGACTAAGAGATGCTCTAGAAACCTCGGTGTCTCTGCTGTGAGAAAGGCAAGCTTT
 AAAAGGCTGACCTCGGAGGAAGACCCAGAGGAAGCACCACCTTGTGCCTGCTGAAGTCTGCACTCGG
 AACACTCCAGTGGGCTGGAGGGCAATGGCCGAAGGCAGAAAGCAAGGCCTTCGGGTGGCACCCAGCAA
 GCCTGGGCTACGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200971 representing NM_001107824
Red=Cloning site Green=Tags(s)

MRRQTEATKRKHQVSSDAPPAKRRNEISSLSAKKASNKETQRAFKGSAHKTFPPKKHLDTIGNERQEEKP
 CVKTSSLFKNNPEIPELHRTVVKQAREQVFSPEAFQELDLHPLISTINTVLKMSMSTSVQKQSIPLLE
 GRDALVRSQTGSGKTLAYCIPVVQSLQALTSKIQRSQDPYALVLPVPTRELALQSFDTVQKLLKPFVWIVP
 GVLMGGEKRKSEKARLRKGINILISTPGRVLDHIKSTKNIHFNRVRLVDEADRILDLGFEKDVTVILN
 AVNAECQKRQNVLLSATLTEGVTRLADISLHNPVSI SVLDKSWDQPNPKEVASIQLDSFAIPESLDQYVV
 LVPSKLRVLCLAAFILKCKFEKDQKMI VFFSSCELVFHYNFLHTLLCHSGTPASETLPASWPKLFL
 RLHGNMKEERTSVFHEFHSHTGVLLCTDVASRGLDLPQVTWIVQYSAPSAPAEYIHRIGRTARIGCHG
 SLLILAPSEAEYVNSLASHKINVSEIKLEGILAVLAKDDCFKRRQGAQRSHATGPQEI RERATVLTQTV
 FEDYVHSSQRMVSWAKKALQSFIRAYATYPKELKSI FHVRS LHLGHVAKSFLGRDAPRN LGVSAVRKASF
 KRDP RRKTQRKHHLVPAEVLHSEHSSGLENGPKGRKQGLRVAPSKPGLRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107824

ORF Size: 2046 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_001107824.2](#), [NP_001101294.2](#)

RefSeq Size: 2688 bp

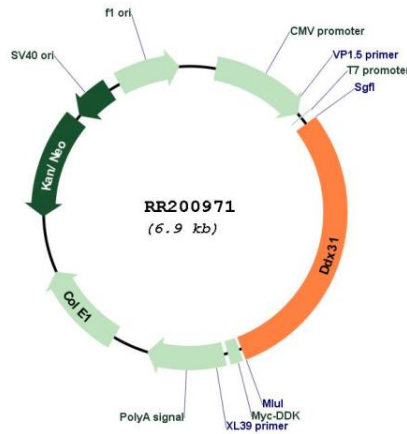
RefSeq ORF: 2049 bp

Locus ID: 311835

Cytogenetics: 3p12

MW: 76.4 kDa

Product images:



Circular map for RR200971