

Product datasheet for **RR214844**

Dhx16 (NM_212496) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx16 (NM_212496) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhx16
Synonyms:	Dbp2; Ddx16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214844 representing NM_212496 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACGCCGGGACTGGAGCGGTGGGTGCAGGAGGAGCTGCACTCGGTGCTGGGGCTGAGCGAGC
GGCACGTCGCGCAGTTCCTGATCGGCACGGCGCAGCGCTGCGCCTCCGCCGAGGAGTTTGTGACGCGCTT
GCGTGACACAGAGACCCCTGGACCTCGGCGGGCCGCGCGGGACTTCGCGCTGAAGCTCTGGAGCAAGGTG
CCACGGAAGGCCGTGTTGAAAAGCCAGCTCGTGCACTGAGCGAGAGGCCCGAGCCCTGCTGGAGAAGA
ACCGATCTTATAAATTGTTGGAGGACAGCGAGAGCGGAGAGGAAGCAGTGGCCAGGGACGGGAGCAGCCT
CCAGAAGAAGCGGAAGAGACGGAACACCTGAGGAAGAAACAGCAGGAGGAGGAGGAGGAGGAGGAGGAA
GCCTCTGAGTCAGGGAAGAGGAAGACAGGGGCGAGTAAATCACCCACGGAGGAGAAGCCAGCCTCAGAGG
ATGAGTGGGAGAGAACAGAACGTGAGCGTCTCCAGGACTTGGAGGAACGGGATGCCTTTGCAGAGCGGGT
TCGGCAACGAGACAAGGACCGGACCCGGAATGTTCTGGAGCGGTCAGATAAGAAGCTTATGAAGAGGCT
CAGAAGCGCCTCAAGATGGCTGAGGAAGACCGGAAAGCCATGGTCCCTGAGCTCCGTAAGAAGTCTCGTC
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GCAGCGGCGCTGGGAGGAGGCCGCTGAGACGCCCATCCCTCAAGTTTGGGGCCCGAGACGCTGCTGCC
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CGTGCGCCGACGCTGCCAGTGTCCCTTCCGAGAGGAGCTCCTGACCGCCATTGCCAACCATCAGGTC
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TCGCAAGTTACAGTGTGGTGATGGTGGATGAAGCTCATGAGCGGACCTTGACACAGACATTCTCTTTGG
 ATTGATCAAAGATGTTGCTAGATTCCGACCTGAGCTCAAGGTCCTGGTGGCTTCGGCCACACTGGACACT
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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214844 representing NM_212496
 Red=Cloning site Green=Tags(s)

MATPAGLERWVQEELHSVLGLSERHVAQFLIGTAQRCASAEFVQRLRDTETLDLGGPARDFALKLWSKV
 PRKAVVEKPARAAEREARALLEKNRSYKLLLEDSESGEEAVARDGSSLQKKRKRKHLRKKQEEEEEE
 ASEGKRTGGSKSPTTEKPASEDEWETERERLQDLEERDAFAERVRQRDKDRTRNVLERSDKAYEEA
 QKRLKMAEEDRKAMPPELRKSRREYLAKREREKLEDLEAELADEEVLFGDVELSRHERRELKYRRVRD
 LAREYRAAGEQEKLEATNRYHMPKETRGQPARATDIVEEESGAPGEEQRRWEEARLDAASLKFGARDA
 QEPQYQLVLEEDETIEFVRAAQLQGDEEPSGPPLSAQAQKESIQAVRRSLPVFPFRELLTAIANHQV
 LIIEGETGSGKTTQIPQYLFEEGYTKKGMKIACTQPRRVAAMSVAARVAREMGVKLGNEVGYSIRFEDCT
 SERTVLRMYTDMMLREFLSEPDLASYSVVMVDEAHERTLHTDILFGLIKDVARFRPELKVVASATLDT
 ARFSAFFDDAPVFRIPGRRFPVDIFYTKAPEADYLEACVSVLQIHVTQPPGDILVFLTGQEEIEACEM
 LQDRRRLGSKIRELLVLPPIYANLPSDMQARIFQPTPPGARKVVVATNIAETSLTIEGIIYVLDPGFCKQ
 KSYNPRTGMESLTVTPCSKASANQRAGRAGRVAAGKCFRLYTAWAYQHELEETTVPETIQRSLGNVLLL
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 EEILTVAAMLVNNSIFYRPKDKVVHADNARVNFLLPGGDHLVLLNVYTQWAESGYSSQWCYENFVQFRS
 MRRARDVREQLLEGLLERVEVGLTSCQGDYVVRKAITSGYFYHTARLTRSGYRTVKQQQTVFIHPNSSLF
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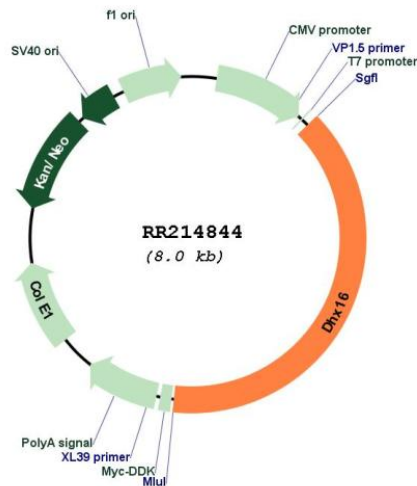
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN:

NM_212496

ORF Size:

3132 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_212496.2</u> , <u>NP_997661.1</u>
RefSeq Size:	3357 bp
RefSeq ORF:	3135 bp
Locus ID:	294232
Cytogenetics:	20p12
MW:	119.3 kDa
Gene Summary:	human homolog is an RNA helicase that may play a role in pre-mRNA splicing and cell cycle progression [RGD, Feb 2006]