

Product datasheet for **RN214844**

Dhx16 (NM_212496) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhx16 (NM_212496) Rat Untagged Clone
Tag: Tag Free
Symbol: Dhx16
Synonyms: Dbp2; Ddx16
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214844 representing NM_212496
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGACGCCGGCGGGACTGGAGCGGTGGGTGCAGGAGGAGCTGCACTCGGTGCTGGGGCTGAGCGAGC
GGCACGTCGCGCAGTTCCTGATCGGCACGGCGCAGCGCTGCGCCTCCGCCGAGGAGTTTGTGACGCGCTT
GCGTGACACAGAGACCCCTGGACCTCGGCGGGCCGCGCGGGACTTCGCGCTGAAGCTCTGGAGCAAGGTG
CCACGGAAGGCCGTGTTGAAAAGCCAGCTCGTGCACTGAGCGAGAGGCCCGAGCCCTGCTGGAGAAGA
ACCGATCTTATAAATTGTTGGAGGACAGCGAGAGCGGAGAGGAAGCAGTGGCCAGGGACGGGAGCAGCCT
CCAGAAGAAGCGGAAGAGACGGAACACCTGAGGAAGAAACAGCAGGAGGAGGAGGAGGAGGAGGAGGAA
GCCTCTGAGTCAGGGAAGAGGAAGACAGGGGCGAGTAAATCACCCACGGAGGAGAAGCCAGCCTCAGAGG
ATGAGTGGGAGAGAACAGAACGTGAGCGTCTCCAGGACTTGGAGGAACGGGATGCCTTTGCAGAGCGGGT
TCGGCAACGAGACAAGGACCGGACCCGGAATGTTCTGGAGCGGTCAGATAAGAAGCTTATGAAGAGGCT
CAGAAGCGCCTCAAGATGGCTGAGGAAGACCGGAAAGCCATGGTCCCTGAGCTCCGTAAGAAGTCTCGTC
GGGAATACCTGGCAAAGCGGGAGCGGAAAAGCTGGAGGACCTGGAGGCAGAACTGGCTGATGAGGAGGT
CCTGTTGGGGACGTGGAGCTGAGCCGCCATGAGCGCCGGGAGCTCAAGTACAAGCGGCGTGTCCGGGAC
CTGGCTCGGGAGTACCGGGCGGCTGGCGAGCAGGAGAAGCTGGAGGCCACTAATCGCTACACATGCCCA
AGGAGACTCGAGGACAGCCCGCTCGAGCCACCGACATCGTCGAGGAGGAATCAGGGGCCCGGGCGAGGA
GCAGCGGCGCTGGGAGGAGGCCGCTTGGACGCCCATCCCTCAAGTTTGGGGCCCGAGACGCTGCTGCC
CAGGAACCCAGTACCAGCTGGTCTGGAGGAGGACGAGACCATCGAGTTCGTCGCTGCCGCTCAGCTCC
AGGGCGACGAGGAGCCGTATCAGGCCCGCCCTGTCAGCCAGGCCAGCAGAAGGAGTCCATCCAGGC
CGTGCGCCGACGCTGCCAGTGTCCCTCCGAGAGGAGCTCCTGACCGCCATTGCCAACCATCAGGTC
CTCATCATCGAGGCGGAGACTGGGTGAGGAAGACCACACAGATCCACAGTACCTTTGAGGAGGGTT
ACACCAAGAAGGGTATGAAGATTGCTTGACCCAGCCCGGAGAGTGGCGGCCATGAGTGTGGCAGCCCG
AGTGGCCCGGAGATGGGGTGAAGCTTGGGAATGAGGTGGGCTACAGCATCCGGTTTGAGGACTGCACA
TCAGAGCGAACTGTTCTCCGCTACATGACAGATGGAATGCTACTCCGGGAGTTCTCTGAGCCTGACC



TCGCAAGTTACAGTGTGGTGATGGTGGATGAAGCTCATGAGCGGACCTTGACACAGACATTCTCTTTGG
ATTGATCAAAGATGTTGCTAGATTCCGACCTGAGCTCAAGGTCCTGGTGGCTTCGGCCACACTGGACACT
GCTCGTTTTTCTGCCTTCTCGATGATGCCCTGTCTCCGAATCCCTGGACGCAGGTTCCAGTTGACA
TCTTCTATACCAAGGCCCCAGAGGCTGACTACCTGGAAGCCTGTGTGGTGTCTGTGCTGCAGATCCATGT
GACCCAGCCCCCTGGGGATATACTGGTGTCTAACGGGACAGGAGGAGATTGAGGCTGCCTGCGAGATG
CTCCAGGACCGCTGCCGACAGCTGGGCTCCAAGATCCGGGAGCTCCTGGTGTGCCCATTTACGCCAAC
TGCCCTCCGACATGCAGGCTCGAATCTCCAGCCACGCCCCCGGGGCCGGAAGGTGGTTGTGGCAAC
AAACATTGCAGAAACTTCCCTCACCATCGAAGGCATCATTTATGTGCTGGATCCAGGGTTCTGCAAGCAG
AAGAGCTACAACCCTCGAACAGGCATGGAGTCGCTCACCGTCACACCCTGCAGCAAGGCTTCAGCCAATC
AGCGGGCCGCGCCGCGCAGGTGAGTGGCTGCAGGGAAGTCTTCCGCTGTATACAGCCTGGGCTACCA
GCATGAGCTGGAGGAGACCACAGTTCCTGAGATCCAGAGGACTAGCCTGGGCAATGTGGTGTCTGCTA
AAGAGCTTAGGGATCCACGACCTGATGCACTTTGACTTTCTGGACCCGCCACCATATGAGACCCTGTGC
TGGCTTTGGAACAACCTTATGCACTTGGCGCCCTCAACCACCTGGAGAGCTCACTACGTCTGGTCGAAA
GATGGCAGAGCTGCCCGTGGATCCTATGTTGTCTAAAATGATCTTGGCCTCTGAGAAGTATAGCTGTTCA
GAAGAGATCCTGACCGTGGCTGCTATGCTGTCTGTCAACAATTCATCTTCTACCGCCCAAGGACAAGG
TTGTCCATGCTGACAACGCCCGTCAACTTCTCCTCCCTGGTGGGGACCACCTGGTTCTGCTGAATGT
GTACACGCAGTGGGCAGAGAGCGGCTACTTCCAGTGGTGTATGAAAATTCGTACAGTTCAGATCC
ATGCGCCGAGCCCGGATGTGCGGGAACAATAAGAGGGCTCTTGGAGCGCTGGAAGTTGGCTTACTT
CCTGCCAAGGTGACTACGTTTCGTGTGCGAAAGGCCATCACTTCAGGTTATTTTTACCACACAGCAAGGCT
GACTCGGAGTGGTACCCGACAGTGAAGCAGCAGCAGACAGTGTATTTCATCCCAACTCCTCTCTTT
GAACAACAGCCACGCTGGCTGCTCTACCATGAGCTTGTCTTGACCACCAAGGAGTTCATGAGACAGGAT
TGGAGATCGAAAGCAGCTGGCTTTTGAAGTGGCTCCCACTACTATAAGGCCAAGGAGCTAGAAGATCC
CCATGCTAAGAAAATGCCAAAAAAGTTGGCAAGACACGAGAAGAGCTGGGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_212496

Insert Size: 3135 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_212496.2](#), [NP_997661.1](#)

RefSeq Size: 3357 bp

RefSeq ORF: 3135 bp

Locus ID: 294232

Cytogenetics: 20p12

Gene Summary: human homolog is an RNA helicase that may play a role in pre-mRNA splicing and cell cycle progression [RGD, Feb 2006]