

## Product datasheet for MR211517

### Dhx16 (NM\_026987) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx16 (NM_026987) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhx16
Synonyms:	2410006N22Rik; DBP2; Ddx16; mKIAA0577
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211517 representing NM_026987 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGACCGCGGGGCTGGAGCGGTGGTGCAGGAGGAGCTGCACTCGGTGCTGGGGCTGAGCGAGC  
GGCACGTCGCGCAGTTCCTGATCGGCACCGCACAGCGCTGCGCCTCCGCCGAGGAGTTCGTGCAGCGCCT  
GCGGGACACCGACACCCTGGACCTCGGGGGCCCGCGCGGGACTTCGCCCTGAAGCTCTGGAGCAAGGTG  
CCACGGAAGGCTGTGGTGGAAAAGCCAGCTCGGGCAGTGAGCGAGAGGCCCGAGCCCTGCTAGAGAAAA  
ACCGTTCTTATAAGTTGTTGGAAGACAGCGAGAGCGGCGAGGAGGCAAGTGGTAGTAACGGGAGCAGCCT  
CCAGAAGAAGCGGAAGAGACGGAACACCTCAGGAAGAAACACCGAGGAGGACGAGGAGGACGAGGAGGAA  
GAGGTTTTCCGAGTCAGGGAAGAGGAAGGAGGGGGAGTAAATCACCCACGGAGGAGAAGCCAGCCTCAG  
AGGATGAATGGGAAAGGACGGAGCGTGAGCGTCTCCAGGACTTGGAAACGGGATGCCTTTGCAGAGCG  
GGTTCGGCAACGGGACAAGGACCGGACCCGGAATGTCCTGGAACGGTCAGATAAGAAGGCCATGAAGAG  
GCTCAGAAGCGCCTCAAGATGGCTGAGGAAGATCGGAAAGCCATGGTCCCTGAGCTCCGTAAGAAGTCTC  
GTCGGGAATACCTGGCGAAGCGGGAGCGAGAAAAACTGGAGGACCTGGAGCGGAACTGGCTGATGAGGA  
GGTCTGTTTGGGACGTGGAGCTGAGTCGCCATGAGCGCAGGGAGCTCAAGTACAAGCGACGTGTGCGG  
GACCTGGCTCGGGAGTACCGGGCAGCCGAGAGCAGGAGAAGCTGGAGGCCACTAATCGTACCACATGC  
CCAAGGAGACCCGAGGGCAGCCAGCTCGAACTGTGGACATCGTTGAGGAGGAATCGGGTGCGCCGGGAGA  
GGAGCAGCGCGCTGGGAGGAGGCCAGCTGGGTGCTGCATCCCTGAAGTTTGGAGCCCGAGATGCTGCT  
GCGCAGGAGGCCAAGTACCAGCTGGTGTGGAGGAGGACGAGACCATCGAGTTTGTCCGTGCTGCTCAAC  
TCCAGGGTGACGAGGAGCCGTCAGGCCCGCCCTGTCAGCCCAGGCCAGCAGAAGGAATCTATCCAGGC  
TGTGCGCCGACGCTGCCCGTGTCCCTTCCGAGAGGAGCTTCTGGCCGCCATTGCCAACCATCAGGTC  
CTCATCATCGAAGGCGAGACTGGCTCTGGGAAGACCACACAGATCCCACAGTACCTTTGAGGAGGGTT  
ACACAAAGAAGGGCATGAAGATTGCTTGACCCAGCCCCGAGAGTGGCGGCTATGAGTGTGGCAGCCCC  
AGTGGCCCGGAGATGGGTGTGAAGCTTGGAAACGAGGTGGGCTACAGCATCCGTTTGGAGACTGCACC



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TCAGAGCGAACTGTTCTCCGCTACATGACAGATGGAATGCTACTCCGAGAGTTCCTCTGAGCCTGACC  
 TTGCAAGTTACAGTGTGGTGATGGTGGATGAAGCTCACGAGCGGACCTTGACACAGACATTCTCTTTGG  
 ATTGATCAAAGACGTCGCTAGATTCCGACCTGAGCTCAAGGTCCTGGTGGCTTCAGCCACACTGGATACT  
 GCCCGTTTTCTGCCTTCTCGATGACGCCCTGTCTTCAAGATCCCTGGACGCAGGTTCCAGTTGACA  
 TCTTCTATACCAAGGCCCCAGAGGCTGACTACCTGGAAGCCTGCGTTGTGTCTGTGCTGCAGATCCACGT  
 GACCCAGCCCCCTGGAGATATACTGGTGTCTGACGGGACAGGAGGAGATTGAGGCTGCCTGTGAGATG  
 TCCAGGACCCCTGCGCAGGCTGGCTCCAAGATCCGGGAGCTCCTGGTGTGCCATTTATGCCAAC  
 TGCCCTCAGACATGCAGGCTCGCATCTTCCAGCCACACCCCCGGGGCCGAAAGGTGGTTGTGGCAAC  
 AACATTGCAGAACTTCCCTCACCATCGAAGGCATCATCTATGTGCTGGACCCAGGTTCTGCAAGCAG  
 AAGAGCTACAACCCTCGTACGGGAATGGAGTCACTCACGGTCACCCCTGCAGCAAGGCTTCAGCCAATC  
 AGCGGGCTGGCCGTGCAGGTGAGTGGCTGCCGGGAAGTCTCCGCTGTATACGGCTGGCCTATCA  
 GCATGAGCTAGAGGAGACCACAGTTCCTGAGATCCAGAGGACAAGCCTGGGCAACGTTGTGCTGCTGTA  
 AAGAGCTTAGGGATCCATGACCTGATGCACTTTGACTTCTGGACCTCCTCCATACGAGACCCTGCTGC  
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 GATGGCAGAGCTCCTGTGGATCCATGTTGTCTAAAATGATCTTGGCCTCCGAGAAGTATAGCTGTTCA  
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 TTGTCCATGCCGACAATGCCCGTGTCAACTTCTCCTCCCTGGTGGAGACCACCTGGTTCTGCTAAATGT  
 GTACACACAGTGGGCTGAGAGTGGTACTCTTCCCAATGGTGTATGAAAATTTGTACAGTTGAGATCC  
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 CTTGCCAAGGTGACTACGTTTCGTGTGAGAAAGGCCATCACTTCGGGTTATTTTTACCACACTGCGAGGCT  
 GACTCGGAGCGGCTACCGCACAGTGAAGCAGCAGCAGACAGTGTATTTCATCCCAACTCCTCTCTTT  
 GAACAACAGCCACGCTGGTTGCTCTACCATGAGCTTGTCTTGACCACAAGGAATTCATGAGACAAGTAC  
 TGGAGATTGAAAGCAGCTGGCTTTTGAAGTGGCTCCCCACTACTATAAGGCCAAGGAGCTAGAAGATCC  
 CCATGCTAAGAAAATGCCAAAAAAGTCGGCAAGACACGAGAAGAGCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211517 representing NM\_026987

Red=Cloning site Green=Tags(s)

MATPAGLERWQEELHSLVGLSERHVAQFLIGTAQRCASAEFVQRLRDTDLDLGGPARDFALKLWSKV  
 PRKAVVEKPARAAEREARALLEKNRSYKLEDESESGEEAVGSNGSSLQKKRKRKHLRKKHQEDEDEEE  
 EVSESGKRKAGGSKSPTEEKPASEDEWERTERERLQDLEERDAF AERVQRDKDRTRNVLERSDKKAYEE  
 AQKRLKMAEEDRKAMVPELRKKSREYLAKREREKLEDELAELADEEVLFGDVELSRHERRELKYKRRVR  
 DLAREYRAAGEQEKL EATNRYHMPKETRGQPARTVDIVVEEESGAPGEEQRRWEEAQLGAASLKFGARDAA  
 AQEAKYQLVLEEDETI EFVRAAQLQGDEEPSGPPLSAQAQKESIQAVRRSLPVFPFREELLAIANHQV  
 LIIEGETSGSKTTQIPQYLFEEGYTKKGMKIACTQPRRVAAMSVAARVAREMGVKLGNEVGYSIRFEDCT  
 SERTVLRMYTDGMLLREFLSEPDLASYSVVMDEAHERTLHTDILFGLIKDVARFRPELKVLVASATLDT  
 ARFSAFFDDAPVFRIPGRRFPVDIFYTKAPEADYLEACVSVLQIHVTQPPGDILVFLTGQEEIEAACEM  
 LQDRCRRLGSKIRELLVLP IYANLPSDMQARIFQPTPPGARKVVVATNIAETSLTIEGIIYVLDPGFCKQ  
 KSYNPRTGME SLTVTPCSKASANQRAGRAGRVAAGKCFRLYTAWAYQHELEETTVEIQRTSLGNVLLL  
 KSLGIHDLMHDFLDPPP YETLLLAL EQLYALGALNHLGELTTSGRKMAELPVDPMLSKMILASEKYS  
 EEILTVAAML SVNNSIF YRPKDKVVHADNARVNF LPGDHLVLLNVYTQWAESGYSSQWCYENFVQFRS  
 MRRARDVREQL EGLLE RVEVGLTSCQGDYVVRKAITSGYFYHTARL TRSGYRTVKQQQTVFIHPNSSLF  
 EQQPRWLLYHEL VLTTFE FMRQVLEIESSWLL EVAPHYYKAKELEDPHAKKMPKVKGTREELG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9096\\_a04.zip](https://cdn.origene.com/chromatograms/mm9096_a04.zip)

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_026987

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:
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\\_026987.2](#), [NP\\_081263.2](#)

RefSeq Size: 3405 bp

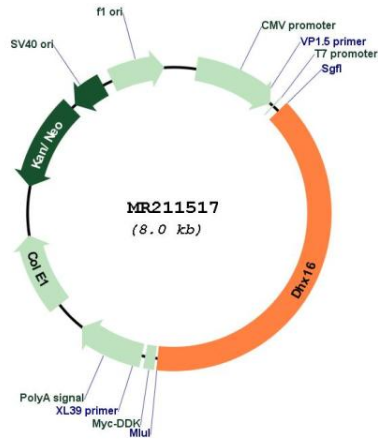
RefSeq ORF: 3135 bp

Locus ID: 69192

Cytogenetics: 17 B1

MW: 119.1 kDa

Product images:



Circular map for MR211517