

## Product datasheet for **MR209832**

### **Ddx18 (NM\_025860) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ddx18 (NM_025860) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx18
Synonyms:	2310005B10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR209832 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGCAGTTACAGATGAAACTCCTGCGCAGGAAGATCGAGAAGCGGAATGCCAAGCTGCGGCAGCGAA  
 ACCTGAAGCTGCAAGAAACATCAGACACAAGCCTGTCCCAACCTCAAAATGGAGATGTGCCTAAAGAAAC  
 AGGAAAAGGTGGAAAAGTGAAAAAGGCCCTGAAACGTTCTGTGCCTGTGGACTCAGCAGAAAGCACAAAGT  
 GGAGGCATGCCTGAGGAGACCTTGGAAAATGGCAAAGTAAAAAGTCACCCAGAAAACCTACAACCTTAG  
 CCAACGGAGAAGCAGCACCAACACCACCTCCTGATTGAGAAGTAAAAAGAAAAAGAAAAAGAGGAA  
 AATGGCAAATGATGCCGGCCTGATACAAAAAGCGAAAACCTGAAGAAAGTGTGAGGCTTGTGAGGAA  
 CCAGAAGATGATGAAAAAGGCAGATGACAGCGAGGTGCCAGCCTGCCCTAGGACTGACAGGTGCTT  
 TTGAGGACACTTCATTTGCTTCTGTCTAATCTCGTCAATGAGAACACCCTGAAGGCCATAGAAGAAAT  
 GGGCTTCAAGCGCATGACGGAGATCCAGCATAAAAGTATCAGGCCACTTCTGGAAGGCAGGGACCTTCTG  
 GCGGCTGCGAAAACCGGCAGTGGCAAAACCTCGCTTTCCTCATCCCTGTGATCGAGCTCATTGTCAAGT  
 TGAAGTTCATGCCAGGAATGGAACAGGAGTCTGATTCTCTCTCTACCAGAGAAGTGGCCATGCAGAC  
 CTTTGGTGTCTCAAGGAGCTGATGACGCACCAGTTCACACGTATGGGCTGATCATGGCGGCAGCAAC  
 AGGTCTGCCGAAGTGCAAGCTCCTCAATGGGATCAACATCATCGTGGCCACGCCCGGCCGGCTCCTGG  
 ACCACATGCAGAACACGCCAGGGTTTATGTACAAGAACCTGCAGTGTCTGGTTATTGATGAGGCTGACCG  
 TATCTTGGATGTTGGGTTTGAAGAAGAAATTAAGCAAATTAATAAACTTTTCCAGCCCGTAGGCAAACC  
 ATGCTCTTTTCTGCCACAAAACCTCGAAAAGTTGAAGACTTGGCAAGAATTTCTGAAAAAGGAGCCTT  
 TGTACGTGGGTGTTGATGACGACAAAGAGGTTGCCACAGTGGATGGCCTTGAGCAGGGCTATGTTGTTG  
 TCCTCTGAGAAGAGGTTCTTCTGCTTTTACATTCTTAAGAAGAACCAGGAAGAAGAAAGTATGGTC  
 TTTTTTTCATCTTGTATGTCTGTGAAATACCACTATGAGCTGTTGAACTACATTGACCTTCCCGTCTTG  
 CCATCCATGGAAGCAAAAGCAAAATAAGCGAACAACCACGTTTTTCCAGTTCTGCAACGCGGATTCAGG  
 AATACTGCTGTGTACTGATGTGGCAGCCAGAGGGCTGGACATCCCCGAAGTGGACTGGATTGTTCACTAC  
 GACCTCCCGATGACCCCAAGGAATACATTCATCGTGTGGTAGAACAGCCAGGGCCTGAATGGAAGAG  
 GGCACGCCCTGCTCATCTGCGCCCTGAAGAGTTGGGTTTCTTCTGTTACTTGAAACAGTCCAAGGTTCC  
 ATTGAATCAGTTTACTTCTCCTGGTCTAAAGTTTCTGATATCCAGTCTCAGCTGAAAAACTGATCGAA  
 AAGAACTACTTTCTCCACAAGTCTGCCAGGAAGCATACAAATCTACATAAGAGCATATGACTCTCACT  
 CTCTCAAGCAGATCTTCAACGTGAACAACCTAAATCTGCCTCAGGTTGCTCTGTCTTTTGGTTTTAAGGT  
 CCCTCCTTTTGTGATCTGAATGTGAGCAGCCATGATGGCAAGCTTAAGAAGAGAGGGCGGTGGTGGCGGA  
 TTCGGCTACCAGAAAACAAAGAAAGTGGAGAAGTCCAAGATCTTTAAACACATCAGTAAGAAGCCAGCAG  
 ACCGCAGGCAGTTCTCACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209832 protein sequence  
Red=Cloning site Green=Tags(s)

MSQLQMKLLRRKIEKRNAKLQRNLKLQETS DTSLSQPQNGDVPKETGKGGKVKKALKRSVPVDSAE AQS  
 GGMP EETLENGKVKKSPQKL T T LANGEAAPT P P P D S E V K K K K K K R K M A N D A G P D T K K A T E E S A E A C E E  
 P E D D V K K A D D S E V P S L P L G L T G A F E D T S F A S L S N L V N E N T L K A I E E M G F K R M T E I Q H K S I R P L L E G R D L L  
 A A A K T G S G K T L A F L I P V I E L I V K L K F M P R N G T G V L I L S P T R E L A M Q T F G V L K E L M T H H V H T Y G L I M G G S N  
 R S A E V Q K L L N G I N I I V A T P G R L L D H M Q N T P G F M Y K N L Q C L V I D E A D R I L D V G F E E E L K Q I I K L L P A R R Q T  
 M L F S A T Q T R K V E D L A R I S L K K E P L Y V G V D D D K E V A T V D G L E Q G Y V V C P S E K R F L L L F T F L K N R K K K V M V  
 F F S S C M S V K Y H Y E L L N Y I D L P V L A I H G K Q K Q N K R T T T F F Q F C N A D S G I L L C T D V A A R G L D I P E V D W I V Q Y  
 D P P D D P K E Y I H R V G R T A R G L N G R G H A L L I L R P E E L G F L R Y L K Q S K V P L N Q F D F S W S K V S D I Q S Q L E K L I E  
 K N Y F L H K S A Q E A Y K S Y I R A Y D S H L K Q I F N V N N L N L P Q V A L S F G F K V P P F V D L N V S S H D G K L K K R G G G G  
 F G Y Q K T K K V E K S I F K H I S K K P A D R R Q F S H

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_025860

**ORF Size:** 1983 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\\_025860.2](#), [NP\\_080136.2](#)

**RefSeq Size:** 2249 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 66942

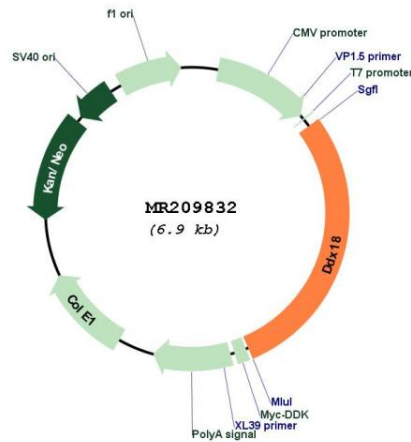
**UniProt ID:** [Q8K363](#)

**Cytogenetics:** 1 E2.3

**MW:** 74.2 kDa

**Gene Summary:** Probable RNA-dependent helicase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209832