

## Product datasheet for MR206397

### Ddx17 (NM\_199079) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx17 (NM_199079) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx17
Synonyms:	2610007K22Rik; A430025E01Rik; AI047725; C80929; Gm926; p7; p72
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206397 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGTGGAGGCGGCTTTGGGGATCGGGATCGTGACAGGGACCGTGGAGGGTTTGGAGCAAGAGGTGGA  
GTGGGCTTCCCCCTAAGAAGTTTGGTAATCCTGGGAGCGGTTACGAAAAAGAAGTGGGATTTGAGTGA  
ACTCCCTAAATTTGAGAAGAATTTTATGTTGAGCATCCAGAAGTAGCAAGACTGACTCCGTATGAGTT  
GATGAGCTACGGCGTAAGAAAGAGATTACAGTGAAGGGGAGATGTTTGTCCAAAACCTGTCTTTGCCT  
TCCATCATGCTAACTTTCCACAGTATGTGATGGATGTGCTGATGGATCAGCACTTTACAGAACCCACTCC  
CATTCACTGCCAGGGATTTCTTTGGCTCTTAGTGGCAGGGATATGGTTGGCATTGCACAGACTGGCTCT  
GGGAAGACATTGGCGTATTTGCTGCCTGCGATTGTTTATATAAACCCAGCCATACTTGGAAAAGAGGAG  
ATGGTCCAATTTGTCTAGTGTGCTGCCTACCAGAGAGCTTGCAGCAGGTTGCAGCAGGTGGCTGACGA  
TTATGGAAAATGCTCCAGGTTGAAGAGTACGTGCATTTACGGAGGTGCTCCTAAAGGTCCCCAAATTCGA  
GACTTGGAAAAGAGGTGTTGAGATTTGCATAGCCACTCCTGGGCGCCTAATAGATTTCTGGAGTCAGGAA  
AGACAAACCTTCGCCGATGTACTTACCTTGTGTTGGATGAGGCTGACCGGATGCTTGATATGGGCTTTGA  
GCCCCAGATCCGTAATAATTTGATCAAATCAGGCCTGACCGGACAGACTGATGTGGAGTGAACCTGG  
CCGAAGGAAGTGAGGCAGCTTGACAGAGGATTTCTGCGGGACTACACCAGATCAATGTGGCAATCTGG  
AGCTGAGTGCCAACCACAACATCCTACAGATTGTAGATGTCTGTATGGTGAAGTAAAAAGACCACAATTT  
GATCCAGCTGATGGAGGAAATCATGGCGAAAAGGAAAATAAGACTATAATATTTGTGGAGACAAAGAGG  
CGCTGTGATGACCTCACACGAAGAATGCGCAGATATGGTTGCCTGCTATGTGTATCCATGGAGACAAGA  
GTCAACCAGAAAGAGATTGGTACTTAATGAGTCCGATCTGAAAAGGCTCCTATCCTCATTGCCACGGA  
TGTAGCCTCCCGTGGGCTAGGTTTGTATAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206397 protein sequence  
 Red=Cloning site Green=Tags(s)

MRGGGFGDRDRDRGGFGARGGSGLPPKFGNPGERLRKKKWDLSELPKFEKNFYVEHPEVARLTPYEV  
 DELRRKKEITVRGGDVCPKPVFAFHANFPQYVMDVLMQHFTEPTPIQCQGFPLALSGRDMVGIAQTGS  
 GKTLAYLLPAIVHINHQPYLERGDGPICLVLAPTRELAQQVQQVADDYGKCSRDKSTCIYGGAPKGPQIR  
 DLERGV EIC IATPGR LIDFLESGKTNLRCTYLVLDEADRLMDMGFEPQIRKIVDQIRPDRQTLMWSATW  
 PKEV RQLAEDFLRDYTQINVG NLELSANHNILQIVDVC MVSEKDHKLIQLMEEIMAEKENKTIIFVETKR  
 RCDDLTRRM RRYGWPAMCIHGDKSQPERDWVLNEFRSGKAPIL IATDVASRGLGLYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_199079

**ORF Size:** 1224 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\\_199079.1](#), [NP\\_951061.1](#)

**RefSeq Size:** 2860 bp

**RefSeq ORF:** 1224 bp

**Locus ID:** 67040

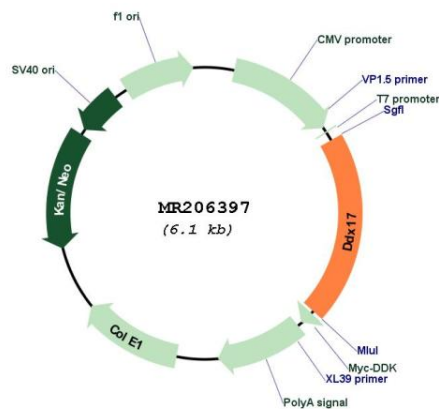
**UniProt ID:** [Q501J6](#)

**Cytogenetics:** 15 E1

**MW:** 46.4 kDa

**Gene Summary:** This gene encodes the mouse homolog of human DEAD box polypeptide 17. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD). RNA helicases of the DEAD-box family are involved in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for MR206397