

## Product datasheet for **MG206397**

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

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Ddx17 (NM_199079) Mouse Tagged ORF Clone                                    |
| Tag:                      | TurboGFP  |
| Symbol:                   | Ddx17   |
| Synonyms:                 | 2610007K22Rik; A430025E01Rik; AI047725; C80929; Gm926; p7; p72              |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG206397 representing NM_199079<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGTGGAGGCGGCTTTGGGGATCGGGATCGTGACAGGGACCGTGGAGGGTTGGAGCAAGAGGTGGTA  
GTGGGCTTCCCCCTAAGAAGTTTGGTAATCCTGGGAGCGGTTACGAAAAAGAAGTGGGATTTGAGTGA  
ACTCCCTAAATTTGAGAAGAATTTTATGTTGAGCATCCAGAAGTAGCAAGACTGACTCCGTATGAGGTT  
GATGAGCTACGGCGTAAGAAAGAGATTACAGTGAAGGGGAGATGTTTGTCCAAAACCTGTCTTTGCCT  
TCCATCATGCTAACTTTCCACAGTATGTGATGGATGTGCTGATGGATCAGCACTTTACAGAACCCACTCC  
CATTCACTGCCAGGGATTTCTTTGGCTCTTAGTGGCAGGGATATGGTTGGCATTGCACAGACTGGCTCT  
GGGAAGACATTGGCGTATTTGCTGCCTGCGATTGTTTCATATAAACCCAGCCATACTTGGAAAAGAGGAG  
ATGGTCCAATTTGTCTAGTGCTGGCTCCTACCAGAGAGCTTGGCAGCAGGTGCAGCAGGTGGCTGACGA  
TTATGGAAAATGCTCCAGGTTGAAGAGTACGTGCATTTACGGAGGTGCTCCTAAAGGTCCCCAAATTCGA  
GACTTGGAAAAGAGGTGTTGAGATTTGCATAGCCACTCCTGGGCGCCTAATAGATTTCTGGAGTCAGGAA  
AGACAAACCTTCGCCGATGTAACCTTGTGTGGATGAGGCTGACCGGATGCTTGATATGGGCTTTGA  
GCCCCAGATCCGTAATAATTTGATCAAATCAGGCCTGACCGGCAGACACTGATGTGGAGTGAACCTGG  
CGAAGGAAGTGAGGCAGCTTGACAGGATTTCTGCGGGACTACACCAGATCAATGTGGCAATCTGG  
AGCTGAGTGCCAACCACAACATCCTACAGATTGTAGATGTCTGTATGGTGAAGTAAAAAGACCACAATTT  
GATCCAGCTGATGGAGGAAATCATGGCGAAAAGGAAAATAAGACTATAATATTTGTGGAGACAAAGAGG  
CGCTGTGATGACCTCACACGAAGAATGCGCAGATATGGTTGGCCTGCTATGTGTATCCATGGAGACAAGA  
GTCAACCAGAAAGAGATTGGTACTTAATGAGTCCGATCTGAAAAGGCTCCTATCCTCATTGCCACGGA  
TGTAGCCTCCCGTGGGCTAGGTTTGTATAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206397 representing NM\_199079  
 Red=Cloning site Green=Tags(s)

MRGGFGDRDRDRGGFGARGGSGLPPKFGNPGERLRKKKWDLSELPKFEKNFYVEHPEVARLTPYEV  
 DELRRKKEITVRGGDVCPKPVFAFHANFPQYVMDVLMQHFTEPTPIQCQGFPLALSGRDMVGIAQTGS  
 GKTLAYLLPAIVHINHQPYLERGDGPICLVLAPTRELAQQVQQVADDYGKCSRKSTCIYGGAPKGPQIR  
 DLERGVEICIAATPGRLLDFLESGKTNLRRCTYLVLDEADRLMDMGFEPQIRKIVDQIRPDRQTLMWSATW  
 PKEVRLAEDFLRDYTQINVGNLELSANHNILQIVDVCVMYSEKDHKLIQLMEEIMAEKENKTIIFVETKR  
 RCDDLTRRMRRYGWPAMCIHGDKSQPERDWLNEFRSGKAPILIAITDVASRGLGLYR

TRTRPLE - GFP Tag - V

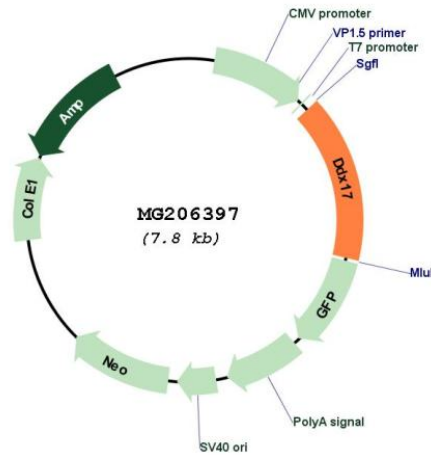
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_199079

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1221 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>                         |
| <b>RefSeq:</b>                | <a href="#">NM_199079.1</a> , <a href="#">NP_951061.1</a>   |
| <b>RefSeq Size:</b>           | 2860 bp   |
| <b>RefSeq ORF:</b>            | 1224 bp   |
| <b>Locus ID:</b>              | 67040   |
| <b>UniProt ID:</b>            | <a href="#">Q501J6</a>  |
| <b>Cytogenetics:</b>          | 15 E1   |
| <b>Gene Summary:</b>          | 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] |