

Product datasheet for **MG226498**

Ddx17 (NM_152806) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx17 (NM_152806) 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:	>MG226498 representing NM_152806 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTTACCTTCTCTTTCTGCCACATCAACCTACACAATGTCTCCTCATTGACGTGGAAGATGTGG
AAGATGTCAAGTTTGTCACTCAACTACGATTATCCAACAGCTCAGAGGATTATGTTACCCTATTGGCCG
AACGGCCCGCAGCACCAACAAGGGCACTGCCTATACTTTCTTTACCCCGGCAACCTGAAGCAGGCTAGA
GAGCTGATCAAAGTATTGAAGAGGCCAATCAAGCCATCAATCCAAAATTGATGCAGCTTGTGGACCACA
GAGGTGGCGGCGGAGGAGGGGTAAAGGGAGGCCGCTCACGATACCGGACTACTTCTTCAGCCAACAATCC
CAATCTGATGTATCAGGACGAGTGTGACCGGAGGCTTCGAGGGGTCAAGGATGGTGGCCGAGAGATTCT
ACAAGCTACAGGGATCGTAGTAAAACCGATAGAGCCAGTTATGCTAATGGCAGTGCTATGGAAGCCCAA
ATTCTGCCTTTGGGGCACAAGCAGGCCAATACACCTATGCTCAAGGCACCTATGGGGCAGCTGCCTATGG
CACCAGTGGCTACACGGCGCAGGAGTATGCTGCTGGCACTTACGGGGCGAGCAGCACTGCCTCAGCAGGG
AGGAGCTCTCAGAGCTCCAGCCAGCAGTTTGTGGGATAGGCCGATCTGGGCAGCAGCCACAGCCACTGA
TGTCACAGCAGTTTGCACAGCCTCCAGGAGCTACCAATATGATAGGCTACATGGGGCAGACTGCTTACCA
GTACCTCCCCCTCCCCCTCCCCCTCCTCCATCTCGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226498 representing NM_152806
Red=Cloning site Green=Tags(s)

MSLPSLSLPHQPTQCLLIDVEDVEDVKFVINYDYPNSSEYVHRIGRTARSTNKGTA YFFTPGNLKQAR
 ELIKVLEEQANQAINPKLMQLVDHRGGGGGGGKGRSRYRTTSSANNPNLMYQDECDRRLRGVKDGGRRDS
 TSYRDRSETDRASYANGSGYGSFNFAFGAQAGQYTYAQGTYGAAAYGTSYTAQYEAAGTYGASSTASAG
 RSSQSSSQQFSGIGRSGQQPQLMSQQFAQPPGATNMIGYMGQTAYQYPPPPPPPPSRK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152806

ORF Size: 810 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_152806.3](#), [NP_690019.2](#)

RefSeq Size: 4068 bp

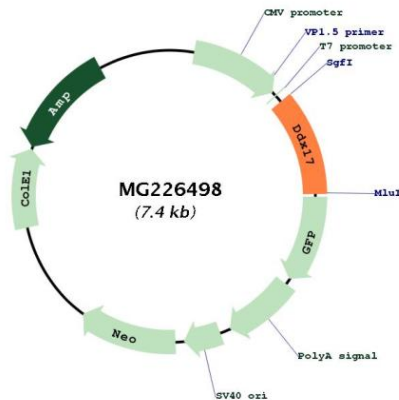
RefSeq ORF: 813 bp

Locus ID: 67040

Cytogenetics: 15 E1

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 MG226498