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Product datasheet for MR226497

Ddx17 (NM_199080) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx17 (NM_199080) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx17
Synonyms:	2610007K22Rik; A430025E01Rik; AI047725; C80929; Gm926; p7; p72
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>MR226497 representing NM_199080
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGTGGAGGCGGCTTTGGGGATCGGGATCGTGACAGGGACCGTGGAGGGTTTGGAGCAAGAGGTGGTA
GTGGGCTTCCCCCTAAGAAGTTTGGTAATCCTGGGGAGCGGTTACGAAAAAAGAAGTGGGATTTGAGTGA
ACTCCCTAAATTTGAGAAGAATTTTTATGTTGAGCATCCAGAAGTAGCAAGACTGACTCCGTATGAGGTT
GATGAGCTACGGCGTAAGAAAGAGATTACAGTGAGAGGGGGAGATGTTTGTCCAAAACCTGTCTTTGCCT
TCCATCATGCTAACTTTCCACAGTATGTGATGGATGTGCTGATGGATCAGCACTTTACAGAACCCACTCC
CATTCAGTGCCAGGGATTTCCTTTGGCTCTTAGTGGCAGGGATATGGTTGGCATTGCACAGACTGGCTCT
GGGAAGACATTGGCGTATTTGCTGCCTGCGATTGTTCATATAAACCACCAGCCATACTTGGAAAGAGGAG
ATGGTCCAATTTGTCTAGTGCTGGCTCCTACCAGAGAGCTTGCGCAGCAGGTGCAGCAGGTGGCTGACGA
TTATGGAAAATGCTCCAGGTTGAAGAGTACGTGCATTTACGGAGGTGCTCCTAAAGGTCCCCAAATTCGA
GACTTGGAAAGAGGTGTTGAGATTTGCATAGCCACTCCTGGGCGCCTAATAGATTTCCTGGAGTCAGGAA
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GCCCCAGATCCGTAAAATTGTTGATCAAATCAGGCCTGACCGGCAGACACTGATGTGGAGTGCAACCTGG
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AGCTGAGTGCCAACCACAACATCCTACAGATTGTAGATGTCTGTATGGAGAGTGAAAAAGACCACAAATT
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GTCAACCAGAAAGAGATTGGGTACTTAATGAGTTCCGATCTGGAAAGGCTCCTATCCTCATTGCCACGGA
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CAGTGGCTATGGAAGCCCAAATTCTGCCTTTGGGGCACAAGCAGGCCAATACACCTATGCTCAAGGCACC
TATGGGGCAGCTGCCTATGGCACCAGTGGCTACACGGCGCAGGAGTATGCTGCTGGCACTTACGGGGCGA
GCAGCACTGCCTCAGCAGGGAGGAGCTCTCAGAGCTCCAGCCAGCAGTTTAGTGGGATAGGCCGATCTGG
GCAGCAGCCACAGCCACTGATGTCACAGCAGTTTGCACAGCCTCCAGGAGCTACCAATATGATAGGCTAC
ATGGGGCAGACTGCTTACCAGTACCCTCCCCCTCCCCCTCCCCCTCCTCCATCTCGCAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

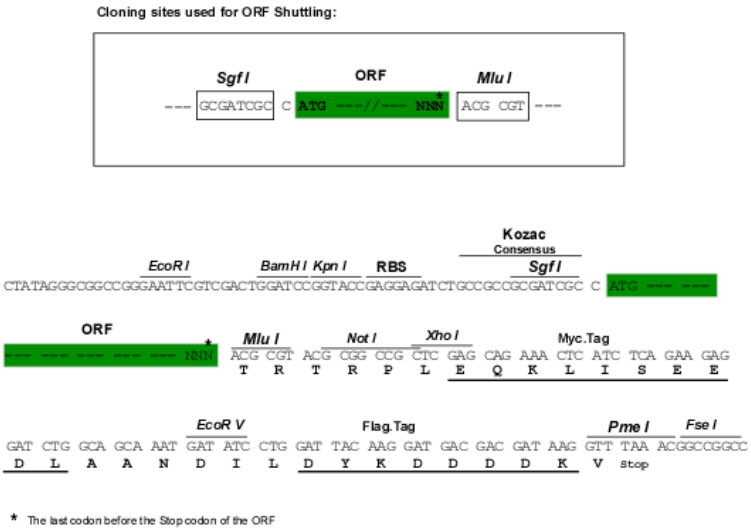
>MR226497 representing NM_199080
Red=Cloning site Green=Tags(s)

MRGGGFGDRDRDRDRGGFGARGGSGLPPKKFGNPGERLRKKKWDLSELPKFEKNFYVEHPEVARLTPYEV
DELRRKKEITVRGGDVCPKPVFAFHHANFPQYVMDVLMDQHFTEPTPIQCQGFPLALSGRDMVGIAQTGS
GKTLAYLLPAIVHINHQPYLERGDGPICLVLAPTRELAQQVQQVADDYGKCSRLKSTCIYGGAPKGPQIR
DLERGVEICIATPGRLIDFLESGKTNLRRCTYLVLDEADRMLDMGFEPQIRKIVDQIRPDRQTLMWSATW
PKEVRQLAEDFLRDYTQINVGNLELSANHNILQIVDVCMESEKDHKLIQLMEEIMAEKENKTIIFVETKR
RCDDLTRRMRRDGWPAMCIHGDKSQPERDWVLNEFRSGKAPILIATDVASRGLDVEDVKFVINYDYPNSS
EDYVHRIGRTARSTNKGTAYTFFTPGNLKQARELIKVLEEANQAINPKLMQLVDHRGGGGGGGRSRYRT
TSSANNPNLMYQDECDRRLRGVKDGGRRDSTSYRDRSETDRASYANGSGYGSPNSAFGAQAGQYTYAQGT
YGAAAYGTSGYTAQEYAAGTYGASSTASAGRSSQSSSQQFSGIGRSGQQPQPLMSQQFAQPPGATNMIGY
MGQTAYQYPPPPPPPPPSRK

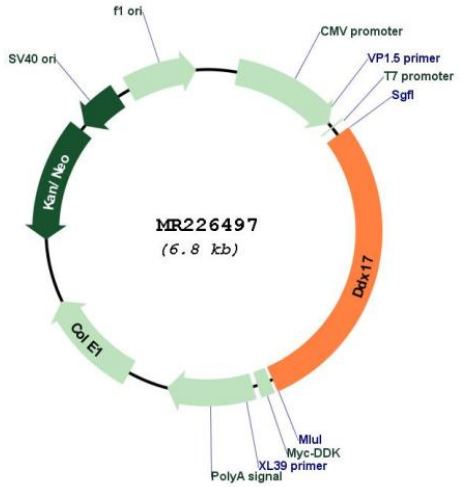
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_199080
ORF Size:	1950 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_199080.1, NM_199080.2, NP_951062.1

RefSeq Size:	4772 bp
RefSeq ORF:	1959 bp
Locus ID:	67040
UniProt ID:	Q501J6
Cytogenetics:	15 E1
MW:	73 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 splicesosome assembly. Alternative splicing of this gene results in several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]