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Product datasheet for MR209512

Ddx41 (NM_134059) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx41 (NM_134059) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx41
Synonyms:	2900024F02Rik; AA958953; ABS; AI324246
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>MR209512 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGATTCGGAACCGGAGCGGAAGCGGGCACGCGCGGACGAGGCGACCGCGGGTGGGAGCCGCTCCG
AGGACGAGGATGAGGACGACGAGGACTACGTACCCTATGTGCCGTTGCGGCAGCGCCGGCAGCTACTGCT
CCAGAAGCTGCTGCAGCGAAGACGCAAGGGCGCTACGGAGGAAGAGCAGCAGGACAGTGGCAGTGAGCCC
CGAGGAGATGAGGACGACATCCCGCTGGGCCCTCAGTCCAATGTCAGCCTCCTGGATCAGCACCAGCACC
TCAAAGAGAAGGCTGAAGCACGCAAGGAGTCCGCCAAGGAAAAGCAACTGAAGGAAGAAGAAAAGATTCT
GGAGAGTGTGGCTGAAGGCCGAGCCTTGATGTCAGTGAAGGAAATGGCCAAAGGCATCACCTATGACGAT
CCAATCAAAACTAGTTGGACACCCCCGCGTTATGTCCTGAGCATGTCTGAGGAGCGGCATGAGCGAGTTC
GGAAGAAGTATCACATCCTGGTGGAGGGCGATGGTATCCCGCCACCCATCAAGAGCTTCAAGGAGATGAA
GTTTCCTGCAGCTATCCTTCGGGGCCTGAAAAAAAAGGGCATCCTCCACCCAACACCCATTCAGATCCAG
GGCATCCCTACCATTCTGTCCGGTCGGGACATGATCGGCATTGCCTTCACGGGGTCAGGCAAGACACTGG
TATTCACTCTGCCAGTCATCATGTTCTGCCTGGAACAGGAGAAGCGGTTGCCTTTCTCCAAGCGAGAGGG
GCCTTATGGGCTCATCATCTGCCCCTCGCGAGAGCTGGCTCGGCAGACCCACGGCATCCTGGAGTATTAC
TGCCGTCTGCTGCAGGAGGACAGCTCACCCCTCCTGCGCTGTGCCCTCTGCATCGGGGGCATGTCGGTGA
AGGAGCAGATGGAGACCATCCGACATGGTGTGCACATGATGGTAGCCACACCTGGACGCCTCATGGATTT
GCTGCAGAAGAAAATGGTCAGCCTAGACATCTGCCGCTACCTAGCCCTGGATGAAGCTGACCGCATGATT
GACATGGGCTTTGAGGGTGACATTCGTACCATCTTCTCCTACTTCAAGGGCCAACGGCAGACTCTGCTCT
TCAGTGCCACCATGCCGAAGAAGATTCAAAACTTTGCCAAGAGTGCCTTGGTAAAGCCTGTCACCATCAA
TGTGGGTCGTGCTGGAGCAGCCAGCCTTGATGTCATCCAGGAGGTGGAGTATGTGAAGGAGGAAGCCAAG
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CCAGGAAGAGCGGACCAAGGCCATTGAGGCATTCCGGGAAGGCAAGAAGGACGTCTTAGTGGCCACAGAT
GTGGCCTCTAAAGGCCTGGACTTTCCTGCCATCCAGCATGTCATCAACTATGACATGCCTGAAGAGATAG
AAAACTATGTGCACAGAATTGGCCGCACTGGGCGTTCAGGAAACACAGGCATCGCTACCACCTTCATCAA
CAAGGCCTGCGATGAGTCAGTGCTCATGGACCTCAAAGCCTTGTTGCTGGAGGCCAAGCAGAAGGTACCA
CCTGGTCTGCAAGTGCTGCACTGTGGGGACGAGTCCATGCTGGACATTGGAGGAGAACGGGGCTGTGCCT
TCTGTGGAGGCCTTGGCCATCGGATCACTGACTGCCCCAAACTTGAAGCTATGCAGACCAAGCAGGTCAG
CAACATTGGCCGCAAGGACTACCTGGCCCACAGCTCCATGGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209512 protein sequence
Red=Cloning site Green=Tags(s)

MEDSEPERKRARADEATAGGSRSEDEDEDDEDYVPYVPLRQRRQLLLQKLLQRRRKGATEEEQQDSGSEP
RGDEDDIPLGPQSNVSLLDQHQHLKEKAEARKESAKEKQLKEEEKILESVAEGRALMSVKEMAKGITYDD
PIKTSWTPPRYVLSMSEERHERVRKKYHILVEGDGIPPPIKSFKEMKFPAAILRGLKKKGILHPTPIQIQ
GIPTILSGRDMIGIAFTGSGKTLVFTLPVIMFCLEQEKRLPFSKREGPYGLIICPSRELARQTHGILEYY
CRLLQEDSSPLLRCALCIGGMSVKEQMETIRHGVHMMVATPGRLMDLLQKKMVSLDICRYLALDEADRMI
DMGFEGDIRTIFSYFKGQRQTLLFSATMPKKIQNFAKSALVKPVTINVGRAGAASLDVIQEVEYVKEEAK
MVYLLECLQKTPPPVLIFAEKKADVDAIHEYLLLKGVEAVAIHGGKDQEERTKAIEAFREGKKDVLVATD
VASKGLDFPAIQHVINYDMPEEIENYVHRIGRTGRSGNTGIATTFINKACDESVLMDLKALLLEAKQKVP
PGLQVLHCGDESMLDIGGERGCAFCGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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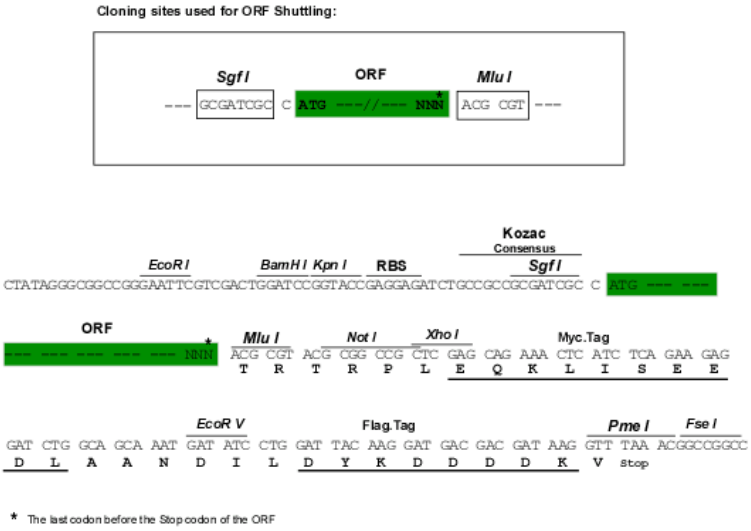
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134059

ORF Size: 1869 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_134059.1, NP_598820.1

RefSeq Size: 2213 bp

RefSeq ORF: 1869 bp

Locus ID: 72935

UniProt ID: Q91VN6

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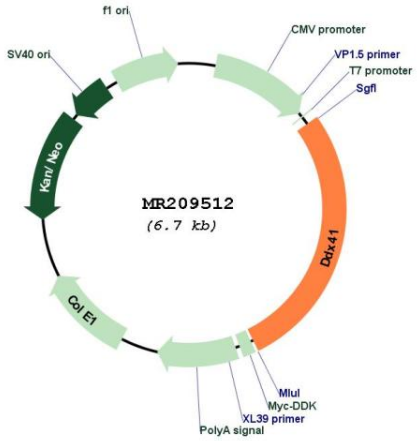
Cytogenetics: 13 B1

MW: 69.8 kDa

Gene Summary: Probable ATP-dependent RNA helicase. Is required during post-transcriptional gene expression. May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209512

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