

Product datasheet for **RR201457**

Ddx41 (NM_001108046) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx41 (NM_001108046) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx41
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201457 representing NM_001108046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGTCGGAACCCGAGCGGAAGCGGGCTCGCACGAACGAGGCGACTGCGGGTGGGAGCCGCTCCG
 AGGACGAAGATGAGGACGACGAGGACTACGTGCCCTACGTGCCGTTGCGGCAGCGCCGGCAGCTTCTGCT
 CCAGAAGCTGCTGCAGCGAAGACGCAAGGGAGCTGCAGAGGAAGAGCAGCAGGACAGTGGCAGTGAGCCC
 CGAGGAGATGAGGACGACATCCCCTGGGTCTCAGTCCAATGTCAGCCTCCTGGATCAGCACCAGCACC
 TCAAAGAGAAGGCTGAAGCAGCAAGGAGTCCGCCAAGGAAAAGCAACTGAAGGAAGAAGAAAAGATTCT
 GGAGAGTGTGGCTGAAGGCCGAGCCTTGATGTCAGTGAAGGAAATGGCCAAAGGCATTACCTACGACGAT
 CCAATCAAACACTAGTTGGACACCCCGCCTATGTCCTGAGCATGTCAGAAGAGCGGCACGAGCGTGTTC
 GGAAGAAGTACCACATCCTGGTGGAGGGAGACGGTATCCCGCCACCCATCAAGAGCTTCAAGGAAATGAA
 GCTCCCTGCAGCTATCCTTCGAGGCCTGAAGAAAAGGGCATCCTCCACCCAACACCCATTAGATCCAG
 GGATCCCTACCATTCTGTCTGGTCCGGACATGATTGGCATCGCCTTACGGGGTTCAGGCAAGACTCTGG
 TATTCACACTGCCCGTCATCATGTTCTGCCTGGAACAAGAGAAGCGGTTGCCCTTCTCCAAGCGGGAAGG
 GCCTTATGGACTTATCATCTGCCCTCACGAGAGCTGGCTCGGCAGACCCATGGCATCCTGGAGTATTAC
 TGCCGTCTGCTGCAGGAAGACAGCTCCCCTCTCCTGCGCTGCGCACTCTGCATCGGGGCATGTCGGTGA
 AGGAGCAGATGGAGACATCCGACATGGTGTGCACATGATGGTAGCCACACCGGGACGCCTCATGGATTT
 GCTGCAGAAGAAAATGGTCAAGCTAGACATCTGCCCTACCTGGCCCTGGATGAGGCTGACCGCATGATC
 GACATGGGCTTTGAGGGTGACATCCGTACCATCTTCTCTACTTCAAGGGCCAGCGGCAGACTCTGCTCT
 TCAGTGCCACCATGCCGAAGAAGATTAGAATTCGCCAAGAGCGCCCTGGTCAAGCCTGTCAACATCAA
 TGTGGTCTGCTGGAGCAGCCAGCCTTGACGTACATCCAGGAGGTGGAATATGTGAAGGAGGAAGCCAAG
 ATGGTGTACCTGCTTGAGTGCTTGCAGAAGACGCCCCACCTGTACTCATCTTTCAGAGAAGAAAGCAG
 ATGTGGATGCCATTACGAATACCTCCTGCTCAAAGGAGTTGAGGCTGTGGCCATTATGGGGGCAAAGA
 CCAGGAAGAGCGGACCAAGGCCATTGAGGCATTCGGGAAGGCAAGAAGGACGTCTTAGTGGCCACGGAC
 GTGGCCTCTAAAGGCCTAGACTTTCCTGCCATCCAGCACGTCACTCAACTATGACATGCCTGAAGAAATCG
 AGAACTATGTGCACCGAATCGGCCGCACTGGGCGCTCAGGAAACACAGGCATTGCCACCACCTTTATCAA
 CAAGGCCTGCGATGAGTCACTGCTCATGGACCTCAAAGCCTTGTCTGCTGGAGGCAAGCAGAAGGTACCA
 CCTGTTCTGCAAGTGTCACTGTGGGATGAGTCCATGCTGGACATCGGAGGAGAACGGGGCTGCGCCT
 TCTGTGGAGGCCTTGGTATCGAATCACTGACTGCCCCAACTCGAAGCTATGCAGACCAAGCAGGTGAG
 CAACATTGGCCGCAAGGACTACCTGGCGCACAGCTCCATGGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201457 representing NM_001108046
 Red=Cloning site Green=Tags(s)

MEESEPERKRARTNEATAGGSRSEDEDEDEDYVYPVPLRQRRQLLLQKLLQRRRKGAEEEEQQDSGSEP
 RGDEDDIPLGPQSNVSLLDQHQLKEKAEARKESAKEKQLKEEEKILESVAEGRALMSVKEMAKGITYDD
 PIKTSWTPPRYVLSMSEERHERVRKHYHILVEGDGIPPIKSFKEMKLPAILRGLKKKILHPTPIQIQ
 GIPTILSGRDMIGIAFTGSGKTLVFTLPVIMFCLQEQKRLPFSKREGPYGLIICPSRELARQTHGILEYY
 CRLLQEDSSPLLRCALCIGGMSVKEQMETIRHGVHMMVATPGRLMDLLQKMMVSLDICRYLALDEADRM
 DMGFEGDIRTIFSYFKGQRQTLFSATMPKKIQNFAKSALVKPVTINVGRAGAASLDVIQEVEYVKEEAK
 MYYLLECLQKTPPVVLIFAEKKADVDAIHEYLLKGVAVAIHGGKQDEERTKAIKAEAFREGKQDVLVATD
 VASKGLDFPAIQHVINYDMPPEE IENYVHRIGRTGRSGNTGIATTFINKACDESVMKLLKALLLEAKQKVP
 PVLQVLCGDESMLDIGGERGCAF CGGLGHRITDCPKLEAMQTKQVSNIGRKDYLAHSSMDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

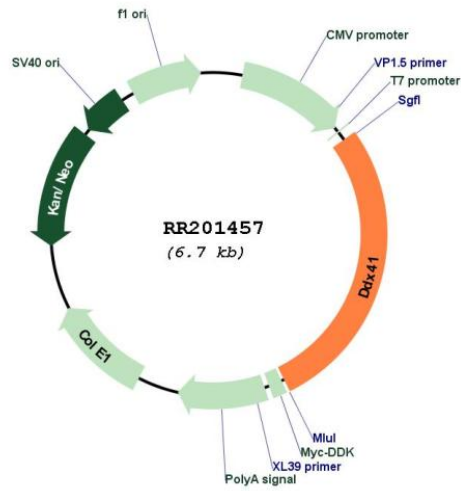
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001108046

ORF Size: 1866 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:	<ol style="list-style-type: none">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_001108046.2 , NP_001101516.1
RefSeq Size:	2075 bp
RefSeq ORF:	1869 bp
Locus ID:	314336
Cytogenetics:	17p14
MW:	69.8 kDa