

Product datasheet for **MR210417**

Ddx10 (NM_029936) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx10 (NM_029936) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx10
Synonyms:	4632415A01Rik; AI646054
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210417 representing NM_029936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAAAACGTTGCTTCTCTGGGTACAGGAACCCGACCCGACCCGGTGCGGAGCTTTAATCGCTGGA
 AGAAAAACACAGCCACAGGCAGCACCAAAAGAAGGAGCGGAGGAAGCAGCTAAAGAAGCCGGAATGGCA
 GGTGAGCGCGAGGGGATCAGCCGCCTCATGCAAACTACGAGAAGATAAATGTAATGAAATTACAAGA
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 CAAATCTGTAAAGGACCTTGCGCGCTTGAGTTTGAAGACCTGAGTATGTCTGGGTTTCATGAAAAAGCA
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 AAGGCCAGAGATGAAGAGGAAGCCTTTCTGGACTGGAGTGATGAAGATGATGGTGGGTTTGATCCAAGTA
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ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210417 representing NM_029936
Red=Cloning site Green=Tags(s)

MGKTVASLGGQTRPDPVRSFNRWKKKSHSRHQHKERRKQLKKPEWQVEREGISRLMQNYEKNVNEITR
FSDFPLSKKTLKGLQEAQYRLVTEIQQTIGLALQKGDVLGAAKTGSGKTLAFLVPVLEALYRLQWTSTD
GLGVLIIPTRELAYQTFEVLKVKGNHDFSAGLIIGGDKLKHEAERINNINILVCTPGRLLQHMETIC
FHATNLQMLVLDEADRILDMGFADTMNAIENLPKKRQTLTFSATQTSVKDLARLSLKDPEYVWVHEKA
KYSTPATLEQNYIICELHQKISVLFSLRSHLKKKSIVFFSSCKEVQYL YRVFCRLRPGISILALHGRQQ
QMRMEVYNEFVRKRAAVLFATDIAARGLDFPAVNWVLQFDCPEDANTYTHRAGR TARYKEDGEALLILL
PSEEQGMVQQLLKQKVPVKEIKINPEKIDVQKKLESFLAQDQDLKERAQRCFVSYIRSVYLMKDKEVFN
VSKLPITEYALSLGLAVAPRIFLQKLEKQPSTELVKNPVTEAVPPRAPSLPNDEADESPAYVSEKMSVL
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QWQPIQKCAIKDVEEEDDTGGINLDKAKERLQEEDKFDEEYRKKIKAKHRERRLKEREAREANKRQA
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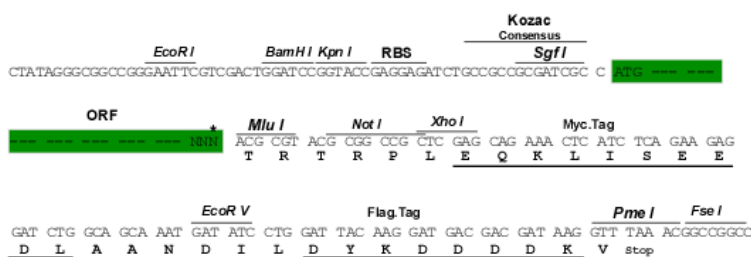
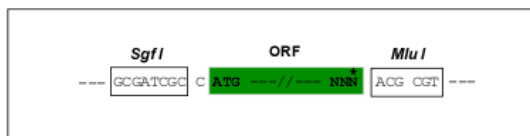
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9096_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

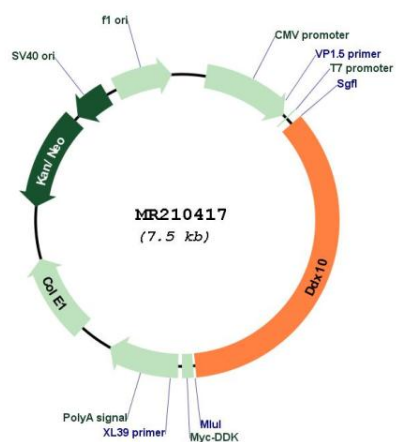
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_029936
ORF Size:	2625 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_029936.2 , NP_084212.2
RefSeq Size:	3368 bp
RefSeq ORF:	2628 bp
Locus ID:	77591
UniProt ID:	Q80Y44
Cytogenetics:	9 A5.3
MW:	100.7 kDa
Gene Summary:	Putative ATP-dependent RNA helicase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210417