

Product datasheet for **MG209552**

Ddx46 (BC026492) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx46 (BC026492) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ddx46
Synonyms:	MGC31579
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209552 representing BC026492
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCGACGAGATTTGATTGGCATTGCCAAGACAGGAAGTGGAAAAACCATTGCTTTTCTTTGCCCA
 TGTTTAGACACATCATGGATCAGAGGTCATTAGAAGAAGGAGAGGGACCAATAGCTGTCATCATGACTCC
 AACTCGAGAGCTGGCTTTACAAATCACTAAAGAATGTAAGAAGTTTTCGAAGACCTGGGACTGAGAGTG
 GTCTGTGTGTATGGAGGGACAGGAATCAGCGAGCAGATTGCTGAGCTGAAAAGAGGTGCTGAAATTATTG
 TTTGCACACCTGGTCGAATGATTGACATGTTAGCGGCTAACAGTGGTCGGGTACAAAATCTCGAAGAGT
 GACATATGTTGTTTTAGATGAAGCAGACAGAATGTTTGACATGGGTTTTGAACCACAGGTCATGCGCATT
 GTGGATAACGTTCTGCTGACCGACAGACAGTTATGTTTTAGCCACTTTCCCTAGAGCTATGGAGGCTT
 TGGCCCGCAGGATCCTGAGCAAACCTATTGAAGTGCAGGTTGGAGGCAGGAGTGTGGTTTCTCCGATGT
 GGAACAGCAGGTGATTGTGATTGAAGAAGAAAAGAAATCTTGAAATTGCTGGAGCTTTTAGGCCATTAT
 CAGGAGTCAGGATCTGTCATTATATTTGTGGATAAGCAGGAACACGCAGATGGTCTTCTGAAGGACTTGA
 TGAGAGCATCGTACCCTTGCATGTCTTTCACGGAGGTATTGATCAATATGACAGGGACAGTATCATAAA
 TGACTTTAAGAATGGAACCTGCAAGCTCCTCGTTGCCACATCTGTTGCAGCTCGTGGTCTCGATGTGAAA
 CATCTAATTTCTGTAGTGAATTACAGCTGCCCAATCATTATGAAGATTATGTGCACAGAGCTGGGCGGA
 CTGGAAGAGCGGGCAACAAGGGTTATGCCTACACCTTCATCACAGAGGATCAAGCTCGATATGCTGGTGA
 CATCATTAAAGCTCTTGAATTGTGAGGACCGCAGTGCCTCCTGACCTAGAAAACTCTGGAGTGACTTC
 AAAGATCAACAGAAAGCTGAAGGAAAAATAATTAAGAGAGTGTGGCTTCTCTGGCAAGGATTCAAGT
 TTGATGAACAGAACAGGCTTTAGCCAATGAGAGGAAAAAGCTGCAGAAAGCTGCTTTGGCCTGCAAGA
 TTCTGATGACGAGGATGCTGCAGTTGATATTGATGAACAGATTGAAAGCATGTTTAATTCAAAGAAGAGA
 GTAAGGACATGGCTGCACCCGGCACATCCAGCGTGCCCGCGCCCACTGCAGGCAATGCTGAGAAGCTAG
 AAATCGCCAAGAGATTGGCTCTCAGAATCAACGCTCAGAAGAACCTGGGCATCGAGTCTCAGGTAGATGT
 GATGCAGCAGGCCACCAACGCCATCCTCAGAGGTGGCACTATCCTGGCTCCCACTGTGTCTGCGAAAACC
 ATTCAGAGCAGCTTGTGAGAAGATCAATGCCAAGCTCAACTACGTGCCTTTGGAGAAGCAGGAGGAAG
 AGAGACAGGAGGGTGGCAGAGCGAGTCTTTCAAGAGATACGAGGAAGAATTAGAAATTAATGACTTCCC
 ACAGACTGCGAGGTGAAAGTCACTCAAAGGAAGCCCTGCAGAGGATCAGCGAGTACTCTGAGGCCGCC
 ATCACCATCAGGGGCACCTACTTCCCTCCCGCAAGGAGCCCAAGGAAGGAGAGCGCAAGATCTACCTGG
 CCATCGAAAGTGCCAACGAGCTGGCTGTGCAGAAAGCAAAGGCAGAGATCACCAGGCTCATAAAAGAGGA
 ACTGATCCGACTGCAAAATTCATACCAACCAACCAACAAAGGACGATACAAAGTATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209552 representing BC026492
 Red=Cloning site Green=Tags(s)

MSGRDLIGIAKTGSGKTI AFL LPMFRHIMDQRSLEEGEGPIAVIMPTRELALQITKECKKFSKTLGLRV
 VCVYGGTGI SEQIAELKRGAEIIVCTPGRMIDMLAANSRVTNLRRVTVVVLDEADRMFDMGFEPQVMRI
 VDNVRPDRQTVMF SATFPRAMEALARRILSKPIEVQVGGRSVVCSDVEQQVIVIEEEKFKLLELLGHY
 QESGSV IIFVDKQEHADGLLKDLMRASYPMSLHGGIDQYDRDSIINDFKNGTCKLLVATVAARGLDVK
 HLILVVNYSCPNIHYEDYVHRAGRTGRAGNKGYAYTFITEDQARYAGDI IKALELSGTAVPPDLEKLWDF
 KDQQAEGKI IIKSSGFSKGKFDETE QALANERKKLQKAALGLQSDDEDAAVDIDEQIESMFNSKKR
 VKDMAAPGTSSVPAPTAGNAEKLEIAKRLALRINAQKNLGI ESQVDVMQQATNAILRGGTILAPTVSAKT
 IAEQLAEKINAKLNYVPLEKQEEERQEGGQSESFKRYEELEINDFPQARWVTSKEALQRISEYSEAA
 ITIRGTYFPPGKEPKGERKIYLAIESANELAVQKAKAEITRLIKEELIRLQNSYQPTNKGRYKVL

TRTRPLE - GFP Tag - V

Restriction Sites:

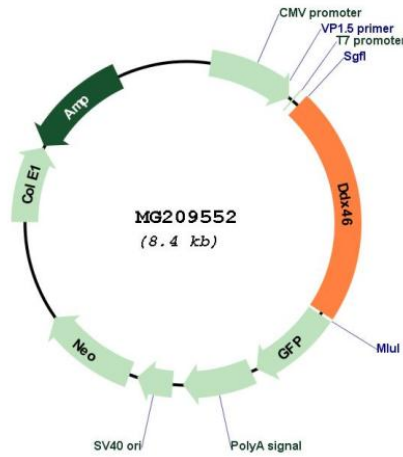
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC026492
 ORF Size: 1878 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:	BC026492.1
RefSeq Size:	2545 bp
RefSeq ORF:	1880 bp
Locus ID:	212880
Cytogenetics:	13 B1
Gene Summary:	Plays an essential role in splicing, either prior to, or during A complex formation. [UniProtKB/Swiss-Prot Function]