

Product datasheet for **MG226506**

Ddx46 (NM_145975) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx46 (NM_145975) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ddx46
Synonyms:	2200005K02Rik; 8430438J23Rik; AI325430; AI957095; mKIAA0801
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226506 representing NM_145975 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCGGGAGTCTCGCCACTACCGAAAACGCTCAGCATCTCGAGGTCGTTCTGGAAGTCGATCGAGGA
GTCGCTCACCCCTCTGACAAAAGAAGCAAACGTGGGGATGACAGACGCTCTCGGAGCAGAGACAGAGACCG
GAGGAGAGAGAGGTCTCGGAGTAGGGACAAGAGAAGATCTCGGTCAAGGGACAGGAAGCGCCTGAGGCGC
TCCAGAAGTAGAGAGCGAGACAGAAGCCGAGAGCGGAGAAGATCTCGGAGCAGAGATAGAAGGCGCTCAA
GGAGTCGAAGCCGGGGCAGGCGGTCCCCTCCAGTCTGGCAGCAAAACCAAGAAGACTGAGAACAG
GTCTAGGTCCAAAGAGAAAGCAGAAGGTGGGGACAGCTCCAAGGAGAAGAAAAGGACAAGGATGACAAG
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GGAGATTGAGGAGATGAAGCAGGGGAAGAAGTGGAGCTTGGAGGACGACGACGATGATGAAGATGATCCT
GCCGAGGCTGAGAAGGAAGGGACTGAAATGGAGGACGAGGAGCTGGACCCATTAGACGCCTACATGGAAAG
AAGTGAAGGAAGAGGTAAAAAGTTTAAACATGAGGAGCGTGAAAGGCGGCGCAGGAAATGAGAAGAAGTC
TGGGCCAACAGTCACAAAAGTTGCTACTGTGGTGACCACCAAGAAAGCAGTAGTAGACCGGATAAGAAG
AAGGGGAACTCATGGAGAATGACCAGGACCCATGGAGTATTCCTCAGAGGAGGAGGAAGTTGACCTTC
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ATATGAGCCATTAGAAAAAATTTTATGTTGAAAGTCCAGAATTAGCAAAAATGTCTCAAGAAGAGGTG
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GGGTCCAGTGTGGAATTTCCATGAAGATACTAAATCCCTCAAAAAGCATGGCTATGAAAAGCCAACACC
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AGGACCAATAGCTGTCATCATGACTCCAACCTCGAGAGCTGGCTTACAATCACTAAAGAATGTAAGAA
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GAGCTGAAAAGAGGTGCTGAAATTATTGTTTGCACACCTGGTCTGAATGATTGACATGTTAGCGGCTAACAGTGGTTCGGGTACAAAATCTTGAAGAGTGACATATGTTGTTTTAGATGAAGCAGACAGAATGTTTGACATGGGTTTTGAACCACAGGTCATGCGCATTGTGGATAACGTTTCGCTGACCCGACAGACAGTTATGTTTTCAGCCACTTCCCTAGAGCTATGGAGGCTTTGGCCCGCAGGATCCTGAGCAAACCTATTGAAGTGCAGGTTGGAGGCAGGAGTGTGGTTTGTCCGATGTGGAACAGCAGGTGATTGTGATTGAAGAAGAAAAGAAATCTTGAATTCAGTGGAGCTTTTAGGCCATTATCAGGAGTCAGGATCTGTCATTATATTTGTGGATAAGCAGGAAACACGCAGATGGTCTTCTGAAGGACTTGATGAGAGCATCGTACCCTTGCATGCTCTTACCGGAGGATTGATCAATATGACAGGGACAGTATCATAAATGACTTTAAGAATGGAACCTGCAAGCTCCTCGTTGCCACATCTGTTGCAGCTCGTGGTCTCGATGTGAAACATCTAATTCTTGTAGTGAATTACAGCTGCCCAATCATTATGAAGATTATGTGCACAGAGCTGGGCGGACTGGAAGAGCGGGCAACAAGGGTTATGCCTACACCTTCATCACAGAGGATCAAGCTCGATATGCTGGTGACATCATTAAAGCTCTTGAATTGCAGGGACCGCAGTGCCCTCTGACCTAGAAAACTCTGGAGTGACTTCAAAGATCAACAGAAAGCTGAAGGAAAAATAATAAAAAGAGTAGTGGCTTCTCTGGCAAGGGATTCAAGTTTGTGAAACAGAACAGGCTTTAGCCAATGAGAGGAAAAAGCTGCAGAAAAGCTGCTTTGGCCTGCAAGATTCTGATGACGAGGATGCTGCAGTTGATATTGATGAACAGATGAAAAGCATGTTAATTCAAAGAAGAGAGTAAAGGACATGGCTGCACCCGGCACATCCAGCGTGCCCGGCCACTGCAGGCAATGCTGAGAAGCTAGAAATCGCCAAGAGATTGGCTCTCAGAATCAACGCTCAGAAGAACCTGGGCATCGAGTCTCAGGTAGATGTGATGCAGCAGGCCACCAACGCCATCCTCAGAGGTGGCACTATCCTGGCTCCCACTGTGTCTGCGAAAACATTGCAGAGCAGCTTGCTGAGAAGATCAATGCCAAGCTCAACTACGTGCCTTTGGAGAAGCAGGAGGAAGAGAGACAGGAGGGTGGGAGAGCGAGTCTTTCAAGAGATACGAGGAAGATTAGAAAATTAATGACTTCCCACAGACTGCGAGGTGGAAGTCACTCAAAGGAAGCCCTGCAGAGGATCAGCGAGTACTCTGAGGCCGCCATCACCATCAGGGGCACCTACTCCCTCCCGCAAGGAGCCCAAGGAAGGAGAGCGCAAGATCTACCTGGCCATCGAAAAGTCCAAACGAGCTGGCTGTGCAGAAAAGCAAGGCAGAGATCACCAGGCTCATAAAAGAGGAACTGATCCGACTGCAAAATTCATACCAACCAACCAACAAAGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG226506 representing NM_145975
 Red=Cloning site Green=Tags(s)

MGRESRHYRKRASRGRSGRSRSPDKRSKRGD DRRSRDRDRRRERSRSDKRKRSRDRKRLRRSRSRERDRSRERRRSRDRRRSRSRGRSSSPGSKTKKTENRSRKEKAEGGDSKEKKDKDDK EDEKEKDAGNFDQNKLEEEEMRKRKERVEKWREEQRKKAMENIGELKKEIEEMKQGKKWSLEDDDDDDDP AEAKEKTEMEDEELDPLDAYMEEVKKEVKKFNMRSVKGGAGNEKKS GPTVTKVTVVTTKAVVDADKK KGELMENDQDAMEYSSEEEVDLQ TAL TGYQTKQRKLLPEVDHGKIEYEPFRKNFYVEPELAKMSQEEV NVFRLEMEGITVKGKGCPKPIKSWVQCGISMKILNSLKKHGYEKPTPIQTQAIPAIMSGRDLIGIAKTGS GKTIAFL LPMFRHIMDQRSLEEGEPIAVIMPTRELALQITKECKKFSKTLGLRVV CVYGGTGI SEQIA ELKRGAEIIVCTPGRMIDMLAANSGRVTNLRRVTYVVLDEADRMFDMGFEPQVMRIVDNVRPDRQTVMFS ATFPRAMEALARRILSKPIEVQVGGRSVVCSDVEQQVIVIEEEKFLKLELLGHYQESGSV IIFVDKQE HADGLLKDLMRASYPMSLHGGIDQYDRDSIINDFKNGTCKLLVATSVAARGLDVKHLILVVNYSCPNHY EDYVHRAGRTGRAGNKGYAYTFITEDQARYAGDIKALELSGTAVPPDLEKLWSDFKDQQAEGKI IKSS SFGSGKGFKFDETE QALANERKKLQKAALGLQSDDEDAVDIDEQIESMFNSKRVKDMAAPGTSSVPA PTAGNAEKLEIAKRLALRINAQKNL GIESQVDVMQATNAILRGGTILAPTVSAKTIAEQLAEKINAKLN YVPLEKQEERQEGGQSESFKRYEELEINDFPQTARWKVTSKEALQRISEYSEAAITIRGTYFPPGKEP KEGERKIYLAIESANELAVQKAKAEITRLIKEELIRLQNSYQPTNKG

TRTRPLE – GFP Tag – V

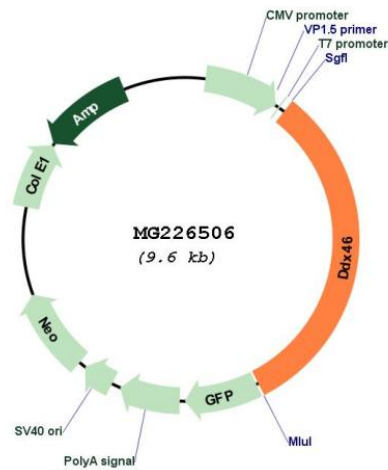
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_145975

ORF Size: 3093 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:	<u>NM_145975.2</u>
RefSeq Size:	5673 bp
RefSeq ORF:	3096 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]