

Product datasheet for **RG239901**

DDX46 (NM_001300860) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX46 (NM_001300860) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX46
Synonyms:	Prp5; PRPF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239901 representing NM_001300860.
 Blue=ORF Red=Cloning site Green=Tag(s)

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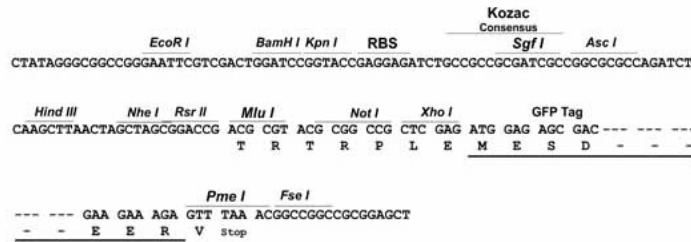
Protein Sequence: >Peptide sequence encoded by RG239901
 Blue=ORF Red=Cloning site Green=Tag(s)

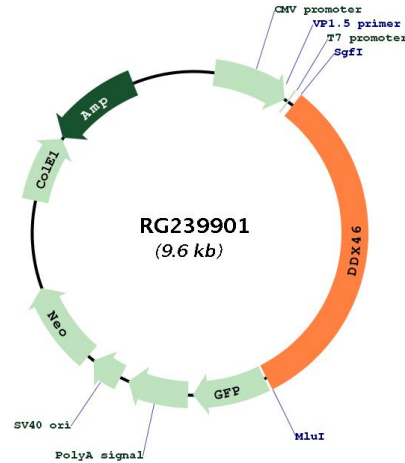
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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN:	NM_001300860
ORF Size:	3096 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).
RefSeq:	NM_001300860.2
RefSeq Size:	5750 bp
RefSeq ORF:	3099 bp
Locus ID:	9879
UniProt ID:	Q7L014
Cytogenetics:	5q31.1
Protein Pathways:	Spliceosome
MW:	117.9 kDa

Gene Summary:

This gene encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a component of the 17S U2 snRNP complex; it plays an important role in pre-mRNA splicing. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2014]