

Product datasheet for **RC217644**

DDX54 (NM_024072) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX54 (NM_024072) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DDX54
Synonyms:	DP97
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC217644 representing NM_024072
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCCGACAAGGGCCCGCGGCTGGACCTCGGTCGCGAGCTGCCATGGCCAGTGGAGGAAGAAGA
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 AGACGGGGCCCGCGCCCTCATCTCTCGCCGACCCGAGAGCTGGCCCTGCAGACCTGAAGTTCACTAA
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Protein Sequence: >RC217644 representing NM_024072
Red=Cloning site Green=Tags(s)

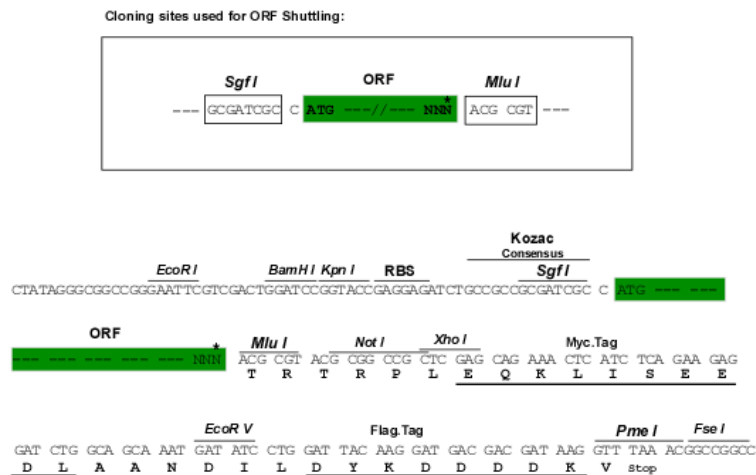
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Restriction Sites:

SgfI-MluI

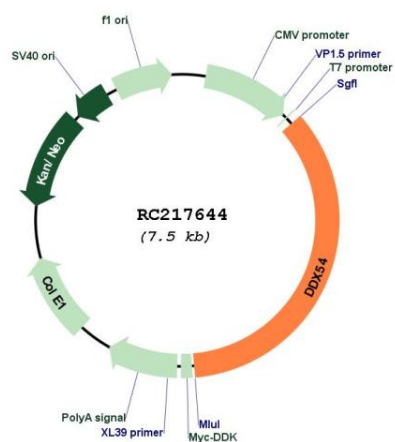
Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:	NM_024072
ORF Size:	2643 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_024072.4
RefSeq Size:	4401 bp
RefSeq ORF:	2646 bp
Locus ID:	79039
UniProt ID:	Q8TDD1
Cytogenetics:	12q24.13
Domains:	DEAD, helicase_C
Protein Families:	Druggable Genome, Transcription Factors
MW:	98.4 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 nucleolar protein encoded by this gene interacts in a hormone-dependent manner with nuclear receptors, and represses their transcriptional activity. Alternative splice variants that encode different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC217644