

Product datasheet for **SC310061**

DDX54 (NM_024072) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX54 (NM_024072) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX54
Synonyms:	DP97
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_024072, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCGACAAAGGGCCCGCGGCTGGACCTCGGTCGCGAGCTGCCATGGCCAGTGG
AGGAAGAAGAAAGGGCTCCGGAAGCGCCGAGGCGCGGCTCCCAGGCCCGCGGCAGCGAC
TCGGAGGACGGCGAGTTTGAGATCCAGGCGGAAGATGACGCCCGGGCCCGGAAGCTGGGA
CCTGGAAGACCCCTGCCACCTTCCCCACCTCGGAATGCACCTCGGATGTGGAGCCGGAC
ACCCGGGAGATGGTGGTGGCCGAGCAACAAGAAGAAGAAGTCTGGAGGCTTCCAGTCC
ATGGGCCCTGAGCTACCCGGTGTTCAAAGGCATCATGAAGAAGGGGTACAAGGTGCCAACA
CCCATCCAGAGGAAGACCATCCCGGTGATCTTGATGGCAAGGACGTGGTGGCCATGGCC
CGGACGGGAGTGGCAAGACAGCCTGCTTCTCTCCCAATGTTGAGCGGCTCAAGACC
CACAGTGGCCAGACCGGGGCCCGCGCCCTCATCTCTCGCCGACCCGAGAGCTGGCCCTG
CAGACCTGAAGTTCACTAAGGAGCTAGGCAAGTTCACTGGCCTCAAGACTGCCCTGATC
CTGGGTGGAGACAGGATGGAAGACCAAGTTGCAGCCCTGCACGAAATCCCGACATAATT
ATTGCCACGCCCGGACGGTTGGTGCATGTGGCTGTGGAATGAGCCTGAAGCTGCAGAGT
GTGGAATACGTGGTGTTCGATGAAGCTGACCGGCTTTTTGAAATGGGTTTCGAGAGCAG
CTGCAGGAGATCATCGCCCGCCTCCCGGGGGCCACCAGACGGTGCTGTTCTCCGCCACG
CTGCCCCAACTGCTGGTGAATTTGCCCGGGCTGGCCTCACGGAGCCCGTGCTCATCCGG
CTTGACGTGGATACCAAGCTCAACGAGCAGCTGAAGACCTCCTTCTTCTCGTGCGGGAG
GACACCAAGGCTGCCGTGCTGCTCCACCTGCTGCACAACGTGGTGGCGCCCGAGGACAG
ACCGTGGTGTGTTGGGCCACGAAGCACCACGCCGAGTACCTCACTGAGCTGCTGACGACC
CAGCGGGTGAGCTGCGCCACATCTACAGTGCCCTAGACCCGACAGCCCGCAAGATCAAT
CTCGCCAAATTCACGCTTGGCAAGTGTCCACTCTCATTGTGACTGACCTGGCCGCCCGA
GGCCTGGACATCCCGCTGCTGGACAATGTCATCAACTACAGCTTCCCGCCAAGGGCAAA
CTCTTCTGCACCGCTGGGCCGTGGGCTCGGGCTGGCCGAAGTGGCACAGCCTACTCC
TTGGTGGCCCTGATGAATCCCTACCTGCTGGATCTGCACCTGTTCTGGGCCCTCC
CTACCCCTCGCCGACCCCTCAAGGAGCCCTCAGGTGTGGCCGGTGTGGATGGCATGCTG
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GCATCGCTGGAGCTACGGGGCTGGCCCGCTTGTGATAACGCCAGCAGCAGTATGTG
CGCTACGCCCGCGCCCTCGCCTGAGTCCATCAAGAGGGCCAAGGAGATGGACCTGTG
GGGCTGGGCTGCACCCCTCTCAGCTCGCTTTTGGAGGAGGAGCTGCAGCGGCTG
AGGCTGGTGGACAGCATAAAGAACTACCGCTCCCGGGCGACTATCTTTGAGATCAACGCC
TCCAGCCGAGACCTGTGCAGCCAGGTGATGCGCGCCAAGCGGCAGAAGGACCGCAAGGCC
ATCGCCCGCTTCCAGCAGGGACAGCAGGGGCGGCAGGAGCAGCAGGAGGGCCAGTGGGC
CCAGCCCCGAGCCGCCAGCACTGCAGGAGAAGCAGCCTGAGAAGGAGGAGGAGGAGGAG
GCGGGAGAGAGTGTGGAGGACATTTTCTCAGAGGTGTTGGGCCGGAAGCGGCAGCGGTCA
GGACCCAAACAGGGGAGCCAAGAGGCGGAGGGAGGAGGCCCGGCAGCGGACAGGAATTC
TACATCCCCTACCGGCCAAGGACTTTGACAGCGAGCGGGGCTGAGCATCAGCGGGGAA
GGGGGAGCCTTTGAGCAGCAGGACGTGGCGCTGTCTGGACTTGATGGGGATGAAGCC
CAGAACCTGACGAGGGGCGGCAGCAGCTCAAGTGGGACCGTAAGAAGAAGCGGTTGTG
GGACAGTCAGGACAGGAAGACAAGAAGAAGATTAAAGACAGAGAGCGGCCGCTACATCAGC
AGCTCCTACAAGCGAGACCTCTATCAGAAGTGGAAACAGAAACAGAAAATTGATGATCGT
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GACCGTGGCCAAGGTGCATCCCGGCCACGCCAGGCACCCCTGCAGGCCGAGTCCGC
CCGGAATCAAGACCAAGCAGCAGATCTGAAGCAGCGGCGCGGGGCCAGAACTGCAC
TTCCTGCAGCGTGGTGGCTCAAGCAGCTCTGCCCCGAACCGCCGCGCTCCAGGAG
CTGCAGCAGGGCGCTTCGGCCGGGTGCCGCTCCAAGAAGGGCAAGATGCGGAAGAGG
ATGTGA

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Restriction Sites: Please inquire

ACCN: NM_024072

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
RefSeq:	<u>NM_024072.3</u> , <u>NP_076977.3</u>
RefSeq Size:	4401 bp
RefSeq ORF:	2646 bp
Locus ID:	79039
UniProt ID:	<u>Q8TDD1</u>
Cytogenetics:	12q24.13
Domains:	DEAD, helicase_C
Protein Families:	Druggable Genome, Transcription Factors
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] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.