

Product datasheet for **SC108616**

DDX56 (NM_019082) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX56 (NM_019082) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX56
Synonyms:	DDX21; DDX26; NOH61
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_019082, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGACTCTGAAGCACTGGGCTTCGAACACATGGGCCTCGATCCCCGGCTCCTTCAGGCTGTCACCG
ATCTGGGCTGGTCGCGACCTACGCTGATCCAGGAGAAGGCCATCCCCTGGCCCTAGAAGGGAAGGACCT
CCTGGCTCGGGCCCGCACGGGCTCCGGGAAGACGGCCGTTATGCTATTCGATGCTGCAGCTGTTGCTC
CATAGGAAGGCGACAGGTCCGGTGGTAGAACAGGCAGTGAGAGGCCTTGTCTTGTCTACCAAGGAGC
TGGCACGGCAAGCACAGTCCATGATTCAGCAGCTGGCTACCTACTGTGCTCGGGATGTCAGTGGCCAA
TGTCTCAGCTGTGAAGACTCAGTCTCTCAGAGAGCTGTGCTGATGGAGAAGCCAGATGTGGTAGTAGGG
ACCCCATCTCGCATATTAAGCCACTTGCAGCAAGACAGCCTGAAACTTCGTGACTCCCTGGAGCTTTTGG
TGGTGGACGAAGCTGACCTTCTTTTTCTTTGGCTTTGAAGAAGAGCTCAAGAGTCTCCTCTGCACTT
GCCCGGATTTACCAGGCTTTTCTCATGTCAGCTACTTTAACGAGGACGTACAAGCACTCAAGGAGCTG
ATATTACATAACCCGGTTACCTTAAGTTACAGGAGTCCCAGCTGCCTGGCCAGACCAGTTACAGCAGT
TTCAGGTGGTCTGTGAGACTGAGGAAGACAAATTCCTCCTGCTGTATGCCCTGCTCAAGCTGCATTGAT
TCGGGGCAAGTCTCTGCTCTTTGTCAACTCTAGAACGGAGTTACCGGCTACGCCTGTTCTTGGAACAG
TTCAGCATCCCCACCTGTGTGCTCAATGGAGAGCTTCCACTGCGCTCCAGGTGCCACATCATCTCACAGT
TCAACCAAGGCTTCTACGACTGTGTATAGCAACTGATGCTGAAGTCTGGGGGGCCCAAGGGCAA
GCGTCGGGGCCGAGGGCCAAAGGGGACAAGGCCCTCTGATCCGGAAGCAGGTGTGGCCCGGGGCATAGAC
TTCCACCATGTGTCTGTGTGCTCAACTTTGATCTTCCCCAACCCCTGAGGCCTACATCCATCGAGCTG
GCAGGACAGCACGCGCTAACCAACCCAGGCATAGTCTTAACCTTTGTGCTTCCCACGGAGCAGTCCACTT
AGGCAAGATTGAGGAGCTTCTCAGTGGAGAGAACAGGGCCCCATTCTGCTCCCTACCAGTCCGGATG
GAGGAGATCGAGGGCTTCCGCTATCGTGCAGGGATGCCATGCGCTCAGTACTAAGCAGCCATTCGGG
AGGCAAGATTGAAGGAGATCAAGGAAGAGCTTCTGCATTCTGAGAAGCTTAAGACATACTTTGAAGACAA
CCCTAGGGACCTCCAGCTGCTGCGGCATGACCTACCTTTGCACCCCGCAGTGGTGAAGCCCCACCTGGGC
CATGTTCTGACTACCTGGTTCTCTGCTCTCCGTGGCCTGGTGCGCCCTCACAAGAAGCGGAAGAAGC
TGTCTTCTCTTGTAGGAAGGCCAAGAGAGCAAAGTCCCAGAACCCTGCGCAGCTTCAAGCACAAAGG
AAAGAAATTCAGACCCACAGCCAAGCCCTCTGA
    
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Chromatograms: https://cdn.origene.com/chromatograms/ja1772_e08.zip

Restriction Sites: NotI-NotI

ACCN: NM_019082

Insert Size: 2570 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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:	NM_019082.2 , NP_061955.1
RefSeq Size:	2499 bp
RefSeq ORF:	1644 bp
Locus ID:	54606
UniProt ID:	Q9NY93
Cytogenetics:	7p13
Domains:	DEAD, helicase_C
Gene Summary:	<p>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 shows ATPase activity in the presence of polynucleotides and associates with nucleoplasmic 65S preribosomal particles. This gene may be involved in ribosome synthesis, most likely during assembly of the large 60S ribosomal subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>