

Product datasheet for **SC322205**

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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322205
 CGCGTGCCTGCTGCGCTACTGAGCAGCGCCATGGAGGACTCTGAAGCACTGGGCTTCGAA
 CACATGGGCTCGATCCCCGGCTCCTTCAGGCTGTACCAGATCTGGGCTGGTCCGACCT
 ACGCTGATCCAGGAGAAGGCCATCCCCTGGCCCTAGAAGGGAAGGACCTCTGGCTCGG
 GCCCGCACGGGCTCCGGGAAGACGGCCGCTTATGCTATCCGATGCTGCAGCTGTTGCTC
 CATAGGAAGGCGACAGGTCCGGTGGTAGAACAGGCAGTGAGAGGCCTTGTCTTTGTTCT
 ACCAAGGAGCTGGCACGGCAAGCACAGTCCATGATTTCAGCAGCTGGCTACCTACTGTGCT
 CGGGATGCCGAGTGCCCAATGTCTCAGCTGCTGAAGACTCAGTCTCTCAGAGAGCTGTG
 CTGATGGAGAAGCCAGATGTGGTAGTAGGACCCCATCTCGCATATTAAGCCACTTGCAG
 CAAGACAGCCTGAAACTTCGTGACTCCCTGGAGCTTTTGGTGGTGGACGAAGCTGACCTT
 CTTTTTCTTTGGCTTTGAAGAAGAGCTCAAGAGTCTCCTCTGTCACTTGGCCCGGATT
 TACCAGGCTTTTCTCATGTCCAGTACTTTTAACGAGGACGTACAAGCACTCAAGGAGCTG
 ATATTACATAACCCGGTTACCCTTAAGTTACAGGAGTCCCAGTGCCTGGGCCAGACCAG
 TTACAGCAGTTTTCAGGTGGTCTGTGAGACTGAGGAAGACAAATTCCTCTGCTGTATGCC
 CTGCTCAAGCTGTCATTGATTCCGGGCAAGTCTCTGCTTTTGTCAACTCTAGAACGG
 AGTTACCAGCTACGCCTGTTCTTGGAAACAGTTCAGCATCCCCACCTGTGTGCTCAATGGA
 GAGCTTCCACTGCGCTCCAGGTGCCACATCATCTCACAGTTCAACCAAGGCTTCTACGAC
 TGTGTCATAGCAACTGATGCTGAAGTCCTGGGGCCCCAGTCAAGGGCAAGCGTCCGGGGC
 CGAGGGCCCAAGGGGACAAGGCCTCTGATCCGGAAGCAGGTGTGGCCCGGGGCATAGAC
 TTCCACCATGTGTCTGCTGTGCTCAACTTTGATCTTCCCCAACCCCTGAGGCCTACATC
 CATCGAGCTGGCAGGACAGCACGCGCTAACAAACCAGGCATAGTCTTAACCTTTGTGCTT
 CCCACGGAGCAGTTCACCTTAGGCAAGATTGAGGAGCTTCTCAGTGGAGAGAACAGGGGC
 CCCATTCTGCTCCCCTACCAGTTCGGGATGGAGGAGATCGAGGGCTTCCGCTATCGCTGC
 AGGGATGCCATGCGCTCAGTACTAAGCAGGCCATTCGGGAGGCAAGATTGAAGGAGATC
 AAGGAAGAGCTTCTGCATTCTGAGAAGCTTAAGACATACTTTGAAGACAACCCTAGGGAC
 CTCCAGCTGCTGCGGCATGACCTACCTTTGCACCCCGCAGTGGTGAAGCCCCACCTGGGC
 CATGTTCTGACTACCTGGTTCCCTGCTCTCCGTGGCCTGGTACGCCCTCACAAGAAG
 CGGAAGAAGCTGTCTTCTTGTAGGAAGGCCAAGAGAGCAAAGTCCCAGAACCCTACTG
 CGCAGCTTCAAGCACAAAGGAAAGAAATTCAGACCCACAGCCAAGCCCTCCTGAGTTGT
 TGGGCCTCTCTGGAGCTGAGCACATTGTGGAGCACAGGCTTACACCCTTCTGTGGACAGGC
 GAGGCTCTGGTGTACTGCACAGCCTGAACAGACAGTCTGGGGCCGGCAGTGTGGGC
 CCTTTAGCTCCTTGGCACTTCCAAGCTGGCATCTTGCCCTTGACAACAGAATAAAAAATT
 TTAGTGCCCCAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_019082

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](#)

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:	<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>