

Product datasheet for **SC121509**

DDX55 (NM_020936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX55 (NM_020936) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX55
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020936, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCATGTGACAGAGGGCTCCTGGGAGTCGCTGCCTGTGCCGCTGCACCCGAGGTGCTGGGCGCGC
TGCGGGAGCTGGGCTTCCCGTACATGACGCCGTCAGTCCGCAACCATCCCTCTGTTTCATGCGAAACAA
AGATGTCGCTGCAGAAGCGGTACAGGTAGTGGCAAAACACTCGCTTTTGTATCCCCATCCTGGAAT
CTTCTGAGAAGAGAAGAGAAGTTAAAAAAGAGTCAGGTTGGAGCCATAATCATCACCCCACTCGAGAGC
TGGCCATTCAAATAGACGAGGTCTGTGCATTTACGAAGCACTTCCCCGAGTTCAGCCAGATTCTTTG
GATCGGAGGCAGGAATCCTGGAGAAGATGTTGAGAGGTTTAAAGCAACAAGGTGGGAACATCATTGTGCC
ACTCCAGGCCGCTTGGAGGACATGTTCCGAGGAAGGCCGAAGGCTTGGATCTGGCCAGCTGTGTGCAT
CCCTGGATGTCTGGTGTGATGAGGCAGACAGACTTCTGGACATGGGTTTGGGCAAGCATCAACAC
CATTCTGGAGTTTTTGCAGAGCAGAGGAGAAGAGGCTTTTCTCTGCCACTCAGACGCAGGAAGTGGAG
AACCTGGTGAGAGCGGGCTCCGGAACCTGTCCGGTCTCAGTGAAGGAGAAGGGCGTGGCAGCCAGCA
GTGCCCAGAAGACCCCTCCCGCTGAAAACTACTACATGGTATGCAAGGCAGATGAGAAATTTAATCA
GCTGGTCCATTTTCTTCGAATCATAAGCAGGAGAAACACCTGGTCTTCTTCAGCACCTGTGCCTGTGTG
GAATACTATGGGAAGGCTCTGGAAGTGCTGGTGAAGGGCGTGAAGATTATGTGCATTACGGAAGATGA
AATATAACGCAATAAGATCTTCATGGAGTTCGCAAAATTGCAAAGTGGGATTTTGTGTGCACTGATGT
GATGGCCCGGGGAATTGATATTCCTGAAGTCAACTGGGTTTTGCAAGTATGACCTCCAGCAATGCAAGT
GCCTTCGTGCATCGCTGCGGTGCGACAGCTCGCATTTGCCACGGGGGAGCGCTCTGGTGTCTCTCTGC
CCATGGAAGAGTCATACATCAATTTCTTGCAATTAACCAAAAATGCCCTGCAGGAGATGAAGCCCCA
GAGAAACACAGCGGACCTTCTGCCAAACTCAAGTCCATGGCCCTGGCTGACAGAGCTGTGTTTGAAAG
GGCATGAAAGCTTTTGTGCATATGTCCAAGCTTATGCAAGCATGAATGCAACCTGATTTTCAGATTAA
AGGATCTTGATTTTGCCAGCCTTGCTCGAGGTTTTGCCCTGCTGAGGATGCCAAGATGCCAGAATTGAG
AGGAAAGCAGTTTCCAGATTTTGTGCCGTGGACGTTAATACCGACACGATTCCATTTAAAGATAAAATC
AGAGAAAAGCAGAGGCAGAACTCCTGGAGCAACAAAGAGAGAGAAAACAGAAATGAAGGGAGAAGAA
AATTCATAAAAAATAAGCTTGGTCAAAGCAGAGGCCAAAAAGAAAAGAAAAAATGAATGAGAA
AAGGAAAAGGGAAGGGTTCTGATATTGAAGATGAGGACATGGAAGAACTTCTTAATGACACAAGACTC
TTGAAAAAATTAAGAAAGGCAAAATACTGAAGAAGATTTGAGAAGGGCTTGTGACAACTGGCAAAA
GAACAATCAAGACAGTGGATTTAGGGATCTCAGATTTGGAAGATGACTGCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020936 unedited

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CTATAGGGCGGCCGCAATTTCGGCACGAGGGCGGCCATGGAGCATGTGACAGAGGGCTC
CTGGGAGTCGCTGCCTGTGCCGTCACCCGAGGTGCTGGGCGCGCTGCGGGAGCTGGG
CTTCCCGTACATGACGCCGTCAGTCCGCAACCATCCCTCTGTTTCATGCGAAACAAAGA
TGTCGCTGCAGAAGCGGTACAGGTAGTGGCAAAACACTCGCTTTTGTATCCCCATCCT
GGAAATTTCTTCTGAGAAGAGAAGAGAAGTTAAAAAAGAGTCAGGTTGGAGCCATAATCAT
CACCCCACTCGAGAGCTGGCCATTCAAATAGACGAGGTCTGTGCATTTACGAAGCA
CTTCCCCGAGTTCAGCCAGATTCTTGGATCGGAGGCAGGAATCCTGGAGAAGATGTTGA
GAGGTTTAAGCAACAAGGTGGGAACATCATTGTGGCCACTCCAGGCCGCTTGGAGGACAT
GTTCCGGAGGAAGGCCGAAGGCTTGGATCTGGCCAGCTGTGTGCGATCCCTGGATGTCCT
GGTGTGATGAGGCAGACAGACTTCTGGACATGGNGTTTGANGGCAGCATCAACACCAT
TCTGGGAGTTTTGCCAAGCAGAGGAGAAGAGGCTTTTCTCTGCCACTCAGACGCANG
GAAGTGGAGAACTTGGTGAGAGCGGGCCCTCGGAACCTGTCCGNTCTCANTGAAGGA
GAAAGGGCGTGCANCCANAGTGCCCAAAAGACCCCTTCCGCTGAAAACTACTACAT
GGTATGCAGGGCAGATGANAATTTATCAGCTGTTCCATTTCTCGCATCATAGCAGGAG
ACACCTGGTCTCTCAGACCTGGGCTGTGGGATACTTGAAGGCTCTGANTGCTGTGAAGG
GCTAAAAATTTGGCCTCCCGAAGATGAATATACCCATAGATTTTCATGAGTCCCAATGCAAT
GGGATTTAGGGCTGAGTGAGCCCGGATGATTCTAGAAACGGTTTGANATACCTCAAA
TGAGGCCCTTGCTCGTGGGCAATCAT
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Restriction Sites: NotI-NotI

ACCN:	NM_020936
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).
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_020936.1</u> , <u>NP_065987.1</u>
RefSeq Size:	2638 bp
RefSeq ORF:	1803 bp
Locus ID:	57696
UniProt ID:	<u>Q8NHQ9</u>
Cytogenetics:	12q24.31
Gene Summary:	This gene encodes a member of protein family containing a characteristic Asp-Glu-Ala-Asp (DEAD) motif. These proteins are putative RNA helicases, and may be involved in a range of nuclear processes including translational initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Multiple alternatively spliced transcript variants have been found for this gene. Pseudogenes have been identified on chromosomes 1 and 12. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (1) encodes the protein.