

Product datasheet for **SC113550**

DDX19A (NM_018332) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX19A (NM_018332) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX19A
Synonyms:	DDX19-DDX19L; DDX19L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113550 sequence for NM_018332 edited (data generated by NextGen Sequencing)

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ATGGCCACCGACTCGTGGGCCCTGGCGGTGGACGAGCAGGAAGCGGCTGTCAAGTCGATG
ACCAATTTGCAGATCAAGGAAGAGAAAGTCAAAGCAGATACCAATGGTATTATCAAAACC
AGTACCACTGCCGAGAAAACAGATGAAGAGGAGAAAGAGGACAGAGCTGCCAGTCTTA
CTCAACAAGCTGATCAGAAGCAACCTTGTGATAACACAAACCAAGTGAAGTCTGCAA
CGGGATCCAAACTCCCCCTGTACTCGGTGAAGTCGTTTGAAGAGCTTCGGCTGAAACCA
CAGCTTCTCCAGGGAGTCTATGCCATGGGCTTCAATCGACCCTCCAAGATACAAGAGAAC
GCATTACCCATGATGCTTGTGTAACCCACAGAATCTGATTGCCAGTCTCAGTCTGGC
ACTGGTAAAACAGCTGCCTTTGTCTTAGCCATGCTCAGCCGAGTGGAGCCATCAGACAGA
TACCCCAAGTGTCTGTGCCTCTCCCAACATATGAGCTGGCGCTTCAAACAGGAAAAGTG
ATTGAGCAGATGGGCAAATTTTACCCAGAACTGAAGCTTGCCATGCCGTTGAGGCAAT
AAATTGGAAGAGGCCAGAAGATCAGTGAGCAGATTGTCATTGGCACCCCTGGGACCGTG
CTGGACTGGTGTCCAAGCTCAAGTTCATTGATCCCAAGAAAATCAAGGTGTTTGTCTG
GATGAGGCTGATGTCATGATAGCCACTCAGGGCCACCAAGATCAGAGCATCCGCATCCAG
AGGATGTGCCCCAGGAAGTGCAGATGTGCTTTCTCCGCCACCTTTGAAGACTCTGTG
TGAAGTTTGCCAGAAAAGTGGTCCCAGACCCAAATGTTATCAAACCTGAAGCGTGAGGAA
GAGACCCCTGGATACCATCAAGCAGTACTATGTCCTGTGCAGCAGCAGAGACGAGAAGTTC
CAGGCCTTGTGTAACCTCTACGGGGCCATCACCATTGCTCAAGCCATGATCTTCTGCCAT
ACTCGCAAAACAGCTAGTTGGCTGGCAGCAGAGCTCTCAAAGAAGGCCACCAGTGGCT
CTGCTGAGTGGGAGATGATGGTGGAGCAGAGGGCTGCGGTGATTGAGCGCTTCCGAGAG
GGCAAAGAGAAGGTTTTGGTGACCACCAACGTGTGTGCCCGCGCATTGATGTTGAACAA
GTGTCTGTGTCATCAACTTTGATCTTCCCGTGGACAAGGACGGGAATCCTGACAAATGAG
ACCTACCTGCACCGGATCGGGCGCACGGGCCGCTTTGGCAAGAGGGGCGCTGGCAGTGAAC
ATGGTGGACAGCAAGCACAGCATGAACATCCTGAACAGAATCCAGGAGCATTTTAATAAG
AAGATAGAAAAGATTGGACACAGATGATTTGGACGAGATTGAGAAAATAGCCAACCTGA
    
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Clone variation with respect to NM_018332.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_018332 unedited
AGGATTTGTATACGACTTACNTATAGGGCGGCCGGAATTCGCACGAGGCTCACCGCCGC
TTCCGGTCCGCGTGAGGTGCATTCTCGCGCCGGTGGCGAGTTAGGGCCCGGTTGCGAC
GTGGTGCAGCGCATATTTTCAAGTGGGTCTCCCTTGTCCGGGACTATGGCCACCGACT
CGTGGGCCCTGGCGGTGGACGAGCAGGAAGCGGCTGTCAAGTCGATGACCAATTTGCAGA
TCAAGGAAGAGAAAAGTCAAAGCAGATACCAATGGTATTATCAAACCAGTACCACTGCCG
AGAAAACAGATGAAGAGGAGAAAAGAGGACAGAGCTGCCAGTCTTACTCAACAAGCTGA
TCAGAAGCAACCTTGTGATAACACAAACCAAGTGAAGTCTGCAACGGGATCCAAACT
CCCCTCTGACTCGGTGAAGTCGTTTGAAGAGCTTCGGCTGAAACCACAGCTTCTCCAGG
GAGTCTATGCCATGGGCTTCAATCGACCCTCCAAGATACAAGAGAACGCATTACCCATGA
TGCTTGTGTAACCCACAGAATCTGATTGCCAGTCTCAGTCTGGCACTGGTAAAACAG
CTGCCTTTGTCTTAGCCATGCTCAGCCGAGTGGAGCCATCAGACAGATACCCCAAGTGTG
TGTGCCTCTCCCAACATATGAGCTGGCGCTTCAAACAGGAAAAGTATTGAGCAGATGG
GCAAAATTTACCCAGAACTGAAGCTTGCCATGCCCCTCGAGGCAATAAATTGGAAGAG
GCCAGAAGATCAGTGAGCAGATTGTCATTGGCACCCCTGNGACCGTGTGGACTGGTGTG
CAAGCTCAAGTCATTGATCCAGAANATCAAGGTGNNNTTGTCTGGATGAGGCTGATGTCA
TGATAGCCACTCAGGCCACCAGATCGAGCATCCGCATNCAGAGGATGTGNCCAGAAC
TGNCANAGCTGNCTTTTNCNGNCACTTNGAGAACCTGGGGGGAG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018332 unedited ACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTAAATGAGTATATATTTGCT TAATAAGCAGAAAAATACAAATAAAAACAAATCATTAGTAGAGCGTTTCTCATAATTACT TTAAAATGTCTTAGCATAATGAATGGTGCATACGCTACAATTTATCCATCCTTATTTATT TATTGAGTCGGGGTCTCGCTCTGTTACCCAAGCTGGAGTGCAGTGGCGCCATTTTCATCTC ACAGCAGCCTCTACCCAGGCTCAAGCGATCCTCCTACCTCAGCCTCCCGAGCAGCTGGGA CTACAGGCGTGGCCACCAGGCCGGCTATATTTTTTTCTATTTTTTGGTAGAGACGGGGT TTCATCATGTTGGCCAGGCTGGTCCCGAACGCCTGAGCTCAACCGATCCGCCCGCCTCAG CCTCCCAACGTGCTGGGATTATAGGCATGAGCCACCACGCCCGGCTATCCATCCTTATT CATATTATGTAGGAATCAGAGCTCTCCATAATGTCCACTATTATAAATGAACAGCATAAT TCCCTTGGTCATAACTTCCATTCCAAATCTTGCTCAGCTCTCGGCCCGTGTGACACCT GAGGGTAAGAACCAACTACGTATGCGCTCATATACTCACCTGAGGTCTNCTGGTGCCGT GACTGAGTACCAGGGCCTATGCAGAGGGAGCATCCGAGAGAATAAAGGCAAGACCAGGC CCATGCCCTTCATCGNCCTCGCCAGATCACTCTCTCAAGGGTCAAGATTCAAACT TTCGTGTTTCTCTCCAAATCTGAAGTTTACAAAAGTAGCCAACCTGCTCATCAGGNATAT GCAAGTCTGCTCTCTGCCACANAAACAAAGTAAAGGCAAGGCATGAGCCAAAAATCTC TGGATTACAGGAGAAGATAACGCCCCAGGGCAGGAGAACACTNGTGAAGGTCCACTGAAAA ACCGAAAGGGCAGTTTGGCCTTTTGGTCCACTTCTATTNGAGAN
Restriction Sites:	NotI-NotI
ACCN:	NM_018332
Insert Size:	2930 bp
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:	<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:	<u>NM_018332.3</u> , <u>NP_060802.1</u>
RefSeq Size:	2918 bp
RefSeq ORF:	1437 bp
Locus ID:	55308
UniProt ID:	<u>Q9NUU7</u>
Cytogenetics:	16q22.1
Domains:	DEAD, helicase_C

Gene Summary:

ATP-dependent RNA helicase involved in mRNA export from the nucleus. Rather than unwinding RNA duplexes, DDX19 functions as a remodeler of ribonucleoprotein particles, whereby proteins bound to nuclear mRNA are dissociated and replaced by cytoplasmic mRNA binding proteins (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).