

Product datasheet for **SC113527**

DDX28 (NM_018380) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX28 (NM_018380) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX28
Synonyms:	MDDX28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018380, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCTAACGCGGCCGGTGCGGCTCTTTTCCCTCGTGAAGTTCGTTGCTCCTGGCGCCGCGACGGGGCC
TCACGGTCCGAGTCCCGACGAACCCCTGCCGGTGGTGCATCCAGTGGCTCTACAGCGGAGTTGGA
ACAGCGGCAGAGCAGGCGCGGAACCTCCGAGGCCGGTGGTTCGACCCGAGCGCTGCTGGTTTCG
GCGCGGCCGCGGAGTTGAACGCGCGCGCCTCACACTGGGCGTTGGGAGCGCGCGCGCTAGCCT
CTCAAGGCTGGAAGAGTCGACGCGCGCTCGGACCACTTCTCCATCGAGCGCGCAACAGGAGGCGCC
AGCGGTGCGAAAGCTCTCGTCTAAGGGCAGCTTTGCTGACCTGGGCTGGAGCCCGTGTGCTGCACGCA
CTACAGGAGGCTGCGCTGAAGTCGTTAGCCCAACCGTGCAGTCTAGCACCATCCCCTCACTACTTC
GCGGCCGCCATGTCGTTTGCGCCGAGAAACGGCAGTGGCAAGACTCTCAGCTACCTCTGCCGCTGCT
TCAACGGCTCTTGGGCCAGCCAAGCCTGGAAGTCCCTTCTATCCCGCGCCCCGAGGCTGGTCTTGT
CCTTCCCGAGAATTGGCCCAACAGGTGCGGGCTGTGGCCCAACCTTGGGCGCTCCTTGGGCTGCTGG
TGCGGGAGCTGGAGGGAGGCCACGCGATGCGTAGGATCAGGCTGCAGCTGTCCAGACAGCCTTCAGCAGA
TGTGCTTGTGGCACTCCAGGGGCTCTGTGGAAGGCCCTGAAAAGTCGACTGATAGTCTGGAGCAACTC
TCCTTCTTGGTGTGGATGAGGAGACACACTGCTGGATGAAAGCTTCTGGAAGTGGTGGACTACATCT
TAGAGAAGAGCCACATAGCAGAAGGCCAGCTGACTTGAAGACCCCTTCAATCCCAAAGCTCAGTTAGT
GCTGGTAGGAGCCACATTTCCGAAGGTGTAGGCCAGTTGCTGAATAAAGTCGCCAGCCAGATGCTGTC
ACCACCATCACCAGCTCCAAGCTCCACTGTATCATGCCTCATGTGAAACAGACATTTCTGAGACTGAAGG
GAGCAGATAAGGTGGCCGAGCTGGTGCACATCCTCAAGCATCGTGACAGAGCAGAAAGGACTGGTCCCTC
AGGAAGTGTCTGGTGTCTGTAAAGTCCAGCACTGTGAAGTGGTGGGATATATTCTGGATGACCAC
AAAATCCAACACCTAAGGTTGCAGGGGCAATGCCAGCCTTGATGAGGGTAGGAATCTTCAGTCCTTCC
AGAAGAGCTCCCGAGACATACTTCTGTGACAGACATAGCCTCTCGGGGCTGGACAGCACTGGTGTGGA
GCTGGTTGTCAATTATGATTTCCCCCAACGCTGCAAGATTACATCCACAGAGCAGGGAGAGTGGGCCGT
GTGGGGAGCGAGGTGCCAGGCACCGTCATCAGTTTGTGACCCATCCCTGGGATGTGAGCCTGGTTCAGA
AGATTGAGCTGGCGGCTCGCCGAAGGAGAAGTCTTCCAGGACTAGCATCCTCGGTGAAAGAGCCTTGCC
CCAAGCAACCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018380 unedited

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GCACATTGATAGATCCTTAGGCGCCGATTGCCCCACGCCTAAGGAAACATGGCTCTAGC
GCGGCCGGTGCGGCTCTTTTCCCTCGTGAAGTTCGTTGCTCCTGGCGCCGCGACGGGGCT
CACGGTCCGAGTCCCGACGAACCCCTGCCGGTGGTGCATCCAGTGGCTCTACAGCG
GCAGTTGGAACAGCGGAGAGCAGGCGCGGAACCTCCGAGGCCGGTGGTTCGACC
CGGACCGCTGCTGGTTTCGGCGCGCGCGCGGAGTTGAACGAGCGCGCGCCTCACACT
GGGCCGTTGGGAGCGCGCGCGCTAGCCTCTCAAGGCTGGAAGAGTCGACGCGCGCTCG
GGACCACTTCTCCATCGAGCGCGCGCAACAGGAGCGCCAGCGGTGCGAAAGCTCTCGTC
TAAGGGCAGCTTTGCTGACCTGGGCTGGAGCCCGTGTGCTGCACGCACTACAGGAGGC
TGCGCCTGAAGTCGTTAGCCCAACCGTGCAGTCTATCACCATCCCCTCACTACTTGC
CGGCCGCCATGTCGTTTGCGCCGATAAACGGCAGTGGCAAGACTCTCAGCTACCTCT
GCCGCTGCTTCAACGGCTCTTGGGCCAGCAAGCCTGGAAGTCCCTTCTATCCCCGCGCC
CCGAGGCTGGTCTTGTTCCTTCCCGAGAATTGGCCCAACAGGTGCGGGCTGTGGCCA
ACCTTTGNGCCGCTCCTTGGGCTGCTGGTGGGAGCTGGAGGGATGCCACGGCATGCG
TANGATCANGCTGCAGCTGTCCAGACAGNCTTCAGCAGATGTGCTTTGTGCCACTCCAGG
GGCTCTGTGGAAGGCCCTGNANAGTCGACTGATCAGTCTGGAGCACTCTTCTTCTGGNT
GTNGATGAGGCAGACCACTN
    
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Restriction Sites: NotI-NotI
ACCN: NM_018380
Insert Size: 2050 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:	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_018380.2 , NP_060850.1
RefSeq Size:	2786 bp
RefSeq ORF:	1623 bp
Locus ID:	55794
UniProt ID:	Q9NUL7
Cytogenetics:	16q22.1
Domains:	DEAD, helicase_C
Gene Summary:	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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene is intronless. It encodes an RNA-dependent ATPase. The encoded protein is localized in the mitochondria and the nucleus, and can be transported between the mitochondria and the nucleus. [provided by RefSeq, Jul 2008]