

Product datasheet for **SC320796**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018380.2
 GGGAAACATGGCTCTAGCGCGGCCGGTGCAGCTCTTTCCCTCGTGACTCGGTTGCTCCT
 GGCGCCGCGACGGGGCTCACGGTCCGCGAGTCCCGACGAACCCCTGCCGGTGGTGCGCAT
 CCCAGTGGCTCTACAGCGGCAGTTGGAACAGCGGCAGAGCAGCGCGGAACCTCCCCGAG
 GCCGGTGTCTGACCCGGACCGTCTGCTGGTTTCGGCGCGCGGCCGAGTTGAACCA
 GCCGGCGCGCCTCACACTGGGCCGTTGGGAGCGCGCGCGCTAGCCTCTCAAGGCTGGAA
 GAGTCGACGCGCGCTCGGGACCACTTCTCCATCGAGCGCGCAACAGGAGCGCCAGC
 GGTGCGAAAGCTCTCGTCTAAGGGCAGCTTTGCTGACCTGGGCCTGGAGCCCCGTGTGCT
 GCACGCACTACAGGAGGCTGCGCCTGAAGTCGTTAGCCCAACCGTGAGTCTAGCAC
 CATCCCCCTCACTACTTCGCGGCCGCCATGTCGTTTGCGCCGAGAAACCGCAGTGGCAA
 GACTCTCAGTACCTCCTGCCGTGCTTCAACGGCTCTTGGGCCAGCAAGCCTGGACTC
 CCTTCTATCCCCGCGCCCCGAGGCTGGTCTTGTCTTCCGAGAATTGGCCCAACA
 GGTGCGGGCTGTGGCCAAACCTTGGGCCGCTCCTTGGGCCTGCTGGTGCGGGACCTGGA
 GGGAGGCCACGGCATGCGTAGGATCAGGCTGCAGCTGTCCAGACAGCCTTCAGCAGATGT
 GCTTGTGGCCACTCCAGGGGCTCTGTGGAAGGCCCTGAAAAGTCGACTGATCAGTCTGGA
 GCAACTCTCCTTCTTGGTGTGGATGAGGCAGACACACTGCTGGATGAAAGCTTCTCTGGA
 ACTGGTGGACTACATCTTAGAGAAGAGCCACATAGCAGAAGGCCAGCTGACTTGAAGA
 CCCCTTCAATCCCAAAGCTCAGTTAGTGCTGGTAGGAGCCACATTTCCCGAAGGTGAGG
 CCAGTTGCTGAATAAAGTCGCCAGCCAGATGCTGTACCACCATCACCAGCTCCAAGCT
 CCACTGTATCATGCCTCATGTGAACAGACATTTCTGAGACTGAAGGGAGCAGATAAGGT
 GGCCGAGCTGGTGACATCCTCAAGCATCGTGACAGAGCAGAAAGGACTGGTCCCTCAGG
 AACTGTTCTGGTGTCTGTAATAGCTCCAGCACTGTGAACTGGCTGGGATATATTCTGGA
 TGACCACAAAATCCAACACCTAAGGTTGCAGGGGCAAATGCCAGCCTTGATGAGGGTAGG
 AATCTTCCAGTCTTCCAGAAGAGCTCCCGAGACATACTTCTCTGCACAGACATAGCCTC
 TCGGGGCTGGACAGCACTGGTGTGGAGCTGGTGTCAATTATGATTTCCCCCAACGCT
 GCAAGATTACATCCACAGAGCAGGGAGAGTGGGCCGTGTGGGAGCGAGGTGCCAGGCAC
 CGTCATCAGTTTTGTGACCCATCCCTGGGATGTGAGCCTGGTTCAGAAGATTGAGCTGGC
 GGCTCGCCGAAGGAGAAGTCTTCCAGGACTAGCATCCTCGGTGAAAGAGCCTTTGCCCA
 AGCAACCTGATTTTGACAAATCTGATTAATGTGATGCTAGAACAGGGATCTTTCCAG
 TATCTTGAGTGGGTGACCACACTTGTGAGTGGGAGGCTCTGGGCTGCCCTGTGCGCTCCT
 TGAGGGCGGGATGAAGTCTTTGTGACTTGGAAAGGTACGCTGCTGGCCAGCATTGGAGA
 AGAAGCTGCTGAGCATGGCTTTCTGTAGTCTTTAGCAAGACACAAGTGGATTTTGACTTT
 GTATCATGTCATGATTTCTAACAATAAATGATGTTTTATGTGAAAAAAAAAAAAAAAAAA
 AAAA

Restriction Sites: Please inquire

ACCN: NM_018380

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).

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:	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_018380.2, NP_060850.1</u>
RefSeq Size:	2786 bp
RefSeq ORF:	1623 bp
Locus ID:	55794
UniProt ID:	<u>Q9NUL7</u>
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]