

Product datasheet for **SC323819**

DDX18 (NM_006773) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DDX18 (NM_006773) Human Untagged Clone
Tag: Tag Free
Symbol: DDX18
Synonyms: Has1; MrDb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006773.3
GGGAAGTAACTGACGCTGAGAACTGAGTAGCTGTACTGTGTGGCGCCTTATTCTAGGCA
CTTGTTGGGCAGAAATGTACACCTGCCGATGAACTCCTGCGTAAGAAGATCGAGAAGCG
GAACCTCAAATTCGCGCAGCGGAACCTAAAGTTTCAGGGGCCTCAAATCTGACCTATC
GGAACTCAAATGGAGATGTATCTGAAGAAACAATGGGAAGTAGAAAGTTAAAAAATC
AAAAAAAAGCCCATGAATGTGGCTTATCAGAACTCAAATGGAGGCATGTCTCAAGA
AGCAGTGGGAAATATAAAGTTACAAAGTCTCCCAGAAATCCACTGTATTAAGCAATGG
AGAAGCAGCAATGCAGTCTTCAATTCAGAATCAAAAAAGAAAAAGAAGAAAAAGAGAA
AATGGTGAATGATGCTGAGCCTGATACGAAAAAGCAAACTGAAAAACAAGGGAAATC
TGAAGAAGAAAGTCCGAGACTACTAAAGAAACAGAAAAAATATGTGGAGAAGCCAGATAA
TGATGAAGATGAGAGTGGGTGCCAGTCTGCCCTGGGACTGACAGGAGCTTTTGAGGA
TACTTCGTTTGCTTCTCTATGTAATCTTGTCAATGAAAACACTCTGAAGGCAATAAAGA
AATGGGTTTTACAAACATGACTGAAATTCAGCATAAAAAGTATCAGACCACTTCTGGAAGG
CAGGGATCTTCTAGCAGCTGCAAAAACAGGCAGTGGTAAAACCTGGCTTTTCTCATCCC
TGCAGTTGAACTCATTGTTAAGTTAAGTTTCATGCCAGGAATGGAACAGGAGTCCTTAT
TCTCTACCTACTAGAGAACTAGCCATGCAACCTTTGGTGTCTTAAGGAGCTGATGAC
TCACCACGTGCATACCTATGGCTTGATAATGGGTGGCAGTAACAGATCTGCTGAAGCACA
GAAACTTGGTAATGGGATCAACATCATTGTGGCCACACCAGGCCGCTGCTGGACCATAT
GCAGAATACCCAGGATTTATGTATAAAAACCTGCAGTGTCTGGTTATTGATGAAGCTGA
TCGTATCTTGGATGTGGGTTTGAAGAGGAATTAAGCAAATTATTAACCTTTTGCCAAC
ACGTAGACAGACTATGCTCTTTTCTGCCACCAAACCTCGAAAAGTTGAAGACCTGGCAAG
GATTTCTCTGAAAAAGGAGCCATTGTATGTTGGCGTTGATGATGATAAAGCGAATGCAAC
AGTGGATGGTCTTGAACAGGATATGTTGTTTGCCTTCTGAAAAGAGATTCTTCTGCT
CTTTACATTCTTAAGAAGAACCAGAAAGAAGAAGCTTATGGTCTCTTTTCATCTTGAT
GTCTGTGAAATACCACTATGAGTTGCTGAACTACATTGATTTGCCGCTTGGCCATTCA
TGGAAAGCAAAAGCAAAATAAGCGTACAACCACATTCTCCAGTCTGCAATGCAGATTC
GGGAACACTATTGTGTACGGATGTGGCAGCGAGAGGACTAGACATTCTGAAGTCGACTG



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GATTGTTCAAGTATGACCCTCCGGATGACCCTAAGGAATATATTCATCGTGTGGGTAGAAC
 AGCCAGAGGCCTAAATGGGAGAGGGCATGCCTTGCTCATTTTGCGCCAGAAAGATTGGG
 TTTTCTTCGCTACTTGAAACAATCCAAGTTCCATTAAGTGAATTTGACTTTTCTGGTC
 TAAATTTCTGACATTCAGTCTCAGCTTGAGAAATGATTGAAAAGAATTACTTTCTTCA
 TAAGTCAGCCCAGGAAGCATATAAGTCATACATACGAGCCTATGATTTCCATTCTCTGAA
 ACAGATCTTTAATGTTAATAACCTAAATTTGCCTCAGGTTGCTCTGTCAATTTGGTTCAA
 GGTGCCTCCCTCGTTGATCTGAACGTCAACAGTAATGAAGCAAGCAGAAAAAGCGAGG
 AGGTGGTGGTGGATTTGGCTACCAGAAAACCAAGAAAGTTGAGAAATCCAAAATCTTTAA
 ACACATTAGCAAGAAATCATCTGACAGCAGGCAGTTCTCTCACTGAACACATGCCTTCT
 TTCATCTTGAATAACTTTGCTCTAAAATGAATTTTTTTTCCCCTTGATTTAACAGGATTT
 TTGTAGACTTTAGAATTTGGACTTACCTAACAAGAGTATAAATTGACTTGGGTTGCAAGC
 ACTGAGCACTGTTACTTCTATCACGTCTCTTTTTATTTCTGGGATATAAAACAGGCTTT
 AAGTTTCTGGTTGCCAAGGGCAGAGCAAGGAATATCTGGTGTTCCTGTGATGATAAT
 ATTTTAATTTTAAATATCCCTCCCTCATACAAGTGATGTACCATTTTAAATAATTCT
 TTTTGTACCTTCTTCTGTTTTGTGAAGATTTTGTGGCATGGATTGCTGTGCTCACT
 GCTGTAAGGTTGACCTAGTGTACTGGGAGCTGGTGGCGGTGCAGAAAAGAGTCTCAGG
 TTATTTTTGTTTTAGTATTTCTTGACCTTGACAGTATCTAATGACTCCTCCTGAAA
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 GGGTGGCATTGCTTTATAGATTCTTGATTTTAAAGCAACAGGCTTTTCTCAGGTGTTGC
 ATTTTTGGAGCAAAAATATGGGTTGTAATTTGAATAAAGTGTCACTAAGCAGTTATAA
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 AAGAACGATGATGCTCCTCATTAAAGATTTGTTAATTCAAGGTGGTTTGGATTTGGTAAG
 CCTTTGCACTCTGTAGAGTACTTAGAAGACAAGGGCAACTTACTTGGAGTTAGAGCCAAG
 CTGTGACAGCGTCCAGCACACATTAATGTTAGCTTCTTCTGAGAAAAAATACCTCT
 TCCAGGCCCTGAAAACAAAAATACATTTGCTGTGAAGATTGAAAATGAACAAAGTTAGAA
 AAAAAACAGCAAAATCAGTGATTTAGTCAGATGAGTTTTTCTGTAGGAGCACTTGAT
 TTCTAGTGTGTTTGTACAGTATATAACTACAAGATAGTACATTTTGTAGCAGTTCAAAG
 CCAAAGTTGCTAGCATCATTTTGTGTTGTGCCAGTTAATCATAGGATCCCATTAATAA
 GTGTGCTAACATCGAATATAGAGAAAACGGTAAAGAACATTCCAGTAGGAAAAGAAAAG
 AACAACTTCCATTTCTGGGCTTGGCCACCATCACCTGGTCCGACCTGTCTGGACTTC
 CAACCTTGACTGTGAGCTCCTGGCTTAGCTTCTGGGTTCTAATTCCTGGTGTTAAT
 AATTCTCTCCACGATCATGTTTTCTGATTTTTTTTTTTCAGAAATATGTTTTTAAAAG
 ACAAAAACAAAGGGAAGAATATTTAATTACTGAGCAGAAGTAAATACTGTTGGTATTTTG
 TACATAATCTAATTTTTATATGCATGTTTCATGCTTTTTAATTTTTTATCAAAAATTAAG
 TCATCTACCTACTACTTGTAAACCAGCTTGTTCATAACATGTTATTTTCTGTGCATTA
 AATAATTACTTCAATGTTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_006773
- 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: [NM_006773.3](#), [NP_006764.3](#)

RefSeq Size: 3790 bp

RefSeq ORF: 2013 bp

Locus ID: 8886

UniProt ID: [Q9NVP1](#)

Cytogenetics: 2q14.1

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 this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, and it is activated by Myc protein. [provided by RefSeq, Jul 2008]