

Product datasheet for **SC115885**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115885 sequence for NM_006773 edited (data generated by NextGen Sequencing)

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ATGTCACACCTGCCGATGAAACTCCTGCGTAAGAAGATCGAGAAGCGGAACCTCAAATTG
CGGCAGCGGAACCTAAAGTTTCAGGGGGCCTCAAATCTGACCCTATCGGAAACTCAAAT
GGAGATGTATCTGAAGAAACAATGGGAAGTAGAAAGGTTAAAAATCAAAACAAAAGCCC
ATGAATGTGGCTTATCAGAAACTCAAAATGGAGGCATGTCTCAAGAAGCAGTGGGAAAT
ATAAAAGTTACAAGTCTCCCCAGAAATCCACTGTATTAACCAATGGAGAAGCAGCAATG
CAGTCTTCCAATTCAGAATCAAAAAGAAAAAGAAAAAGAAAAATGGTGAATGAT
GCTGAGCCTGATACGAAAAAGCAAAAAGTAAAAACAAAGGGAAATCTGAAGAAGAAAGT
GCCGAGACTACTAAAGAAACAGAAAAATAATGTGGAGAAGCCAGATAATGATGAAGATGAG
AGTGAGGTGCCAGTCTGCCCTGGGACTGACAGGAGCTTTTGAGGATACTTCGTTTGCT
TCTCTATGTAATCTTGTCAATGAAAACACTCTGAAGGCAATAAAAGAAATGGGTTTTACA
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AGAGAAGTAGCCATGCAACCTTTGGTGTCTTAAGGAGCTGATGACTCACCACGTGCAT
ACCTATGGCTTGATAATGGGTGGCAGTAACAGATCTGCTGAAGCAGAAACTTGGTAAT
GGGATCAACATCATTGTGGCCACACCAGGCCGTCTGCTGGACCATATGCAGAATACCCCA
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AAGGAGCCATTGTATGTTGGCGTTGATGATGATAAAGCGAATGCAACAGTGGATGGTCTT
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CACTATGAGTTGCTGAACTACATTGATTTGCCCGTCTTGCCATTGAAAGCAAAAAG
CAAAAATAAGCGTACAACCACATTCTCCAGTTCTGCAATGCAGATTGCGGAACTATTG
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GACCCCTCCGATGACCCTAAGGAATATATTCATCGTGTGGGTAGAACAGCCAGAGGCCTA
AATGGGAGAGGCATGCCTTGTCTATTTTGCGCCAGAAGAATTGGGTTTTCTTCGTTAC
TTGAAACAATCCAAGTTCCATTAAGTGAATTTGACTTTTCTGGTCTAAAATTTCTGAC
ATTCAGTCTCAGCTTGTAGAAATTGATTGAAAAGAATTACTTTCTCATAAGTCAGCCAG
GAAGCATATAAGTCATACATACGAGCCTATGATCCCATCTCTGAAACAGATCTTTAAT
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GTTGATCTGAACGTCAACAGTAATGAAGGCAAGCAGAAAAAGCGAGGAGGTGGTGGTGA
TTTGGCTACCAGAAAACCAAGAAAGTTGAGAAATCCAAAATCTTTAAACACATTAGCAAG
AAATCATCTGACAGCAGGCAGTTCTCTCACTGA
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Clone variation with respect to NM_006773.3
1617 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006773 unedited
 GTTACCGTACANAAATTTGTTAATACGAACTCACTATAGGGNCGGCCCGTAATTCCGGC
 ACGAGGGTTACTGTGTTGGCGCACTTATTCTAGGCACTTTGTTGGGCAGAATGTCACACC
 TGCCGATGAAACTCCTGCGTAAGAAGCTCGAGAAGCGGAACCTCAAATTGCGGCAGCGGA
 ACCTAAAGTTTCAGGGGGCCTCAAATCTGACCCTATCGGAACTCAAATGGAGATGTAT
 CTGAAGAAAAATGGGAAGTAGAAAGGTTAAAAAATCAAAAACAAAAGCCCATGAATGTGGG
 CTTATCAGAAACTCAAATGGAGGCATGTCTTAAGAAGCAGTGGGAAATATTAAGTTA
 CAAAGTCTCCCGAAATCCACTTGTATTAACCAATGGAGAAGCAGCAATGCAGTCTTCC
 AATTTCAGAAATCAAAAAGAAAAAGAAAAAGAAAAAGAAAAATGGTGAATGATGCTGAGCCT
 GATACGAAAAAGCAAAAAGTAAAAACAAAGGAAATCTGAAGAAGAAAGTCCCGAGACT
 ACTAAAGAAACAGAAAATAATGTGGAGAAGCCAGATAATGATGAAGATGAGAGTTGAGGT
 GCCCAGTCTGCCCTGGGACTGACAGGAGCTTTTGAGGATACTNCGTTTGCTTCTCTAT
 GTAATCTGTCAATGAAAACACTCTGAAGGCAATAAAAGAAATGGGTTTTACAAACATGA
 CTGANATTCAGCATAAAAGTATCAGACCCTTTCTGNANNGCANGGATCTTCTAGCAGCT
 GCAAAAACANGCAGTGGTTAAACCCTGGCTTTTCTCATCCCTGCAGTTGAACTCATTGTT
 AAGTTAANGTTTTCATGCCAGATGGAACAGGAGTCCTTATTCTCTCACTACTAGAGACTA
 GCCTGCAACCTTTTTGTGTTCTTAAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006773 unedited
 NGGGGGGAGGTAACGCTATGGAACCGCGCCGCAATCTAGNGATCGATTTTTTTTTTTTT
 TTTTTTTTTCAACATTGAAGTAATTTAATGACACAGGAAAAAATACATGTTATGAAA
 ACAAGCTGGTTACAAGTAGTAGGTAGATGACTTAATTTTTGATAAAAAAATAAAAAGCA
 TAAACATGCATATAAAAAATTAGATTATGTACAAAATACCAACAGTATTTACTTCTGCTCA
 GTAATTAATATTCTTCCCTTTGTTTTGTCTTTTAAAAAACATTATTTCTGAAAAAAA
 AATCAGAAAAACATGATCGTGGAGAGAATTATTAACACCAGGAATTAGGAACCCAAGAA
 GCTAAGCCAGGAGCTCAGCAGTCAAGGTTGGAAGTCCAGGACAGGTCCGACCAGGGTGAT
 GGTGGCCAAGCCAGAAATGGAAGATTGTTCTTTTCTTTCTACTGGAATGTTCTTTAC
 CAGTTTTCTCTATATTCGATGTTAGCACACTTATTTAATGGGATCCTATGATTAAGTGGC
 ACAACAGCAAAATGATGCTAGCAACTTTGGCTTTGAACTGCTACAAAATGTAATCTTG
 TAGTTATATACTGTACAAAACACTAGAAATCAAGTGCTCCTACAACGAAAAAATCATC
 TGACTAAATCACTGATTTTGTGTTTTTTTTCTAACTTTGTTCAATTTCAATCTTCACA
 GCAAATGTATTTTTGTTTCAAGGCCTGGAAGAGGATTTTTTTCTCAAAAAGGAGCTAA
 CATTAAATGTTGGTGGGGGACCCTCTGAAAGCTTGGCTTAACTCCAAGTTAATTTGGCC
 TTGCCTTAAGGTCTCTAAAAAGGGCAAAGCTA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_006773

Insert Size:

4000 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_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]