

## Product datasheet for **SC320602**

### DDX19B (NM\_007242) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | DDX19B (NM_007242) Human Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | DDX19B                                  |
| Synonyms:                 | DBP5; DDX19; RNAh                       |
| 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\_007242.4  
 TAGTGGGGCTGGAGCAGAGCCTGCCGGAACCCCGGAGCCACGATCCCTCGTGCCATC  
 CCTCGAATCCACCAGCAGAGCGTCCCACCCGCGCCTGGGACCATGGCCACTGACTCATG  
 GGCCCTGGCGGTGGACGAGCAGGAAGCTGCGGCTGAGTCGTTGAGCAACTGCATCTTAA  
 GGAAGAGAAAAATCAAACCAGATACCAATGGTGTGTTGTCAAGACCAATGCCAATGCAGA  
 GAAGACAGATGAAGAAGAGAAAGAGGACAGAGCTGCCAGTCTTACTCAACAAGCTGAT  
 CAGAAGCAACCTTGTGATAACACAACAAGTGAAGTCTGCAGCGGGATCCAAACTC  
 CCCTCTGTACTCGGTGAAGTCTTTTGAAGAGCTTCGGCTGAAACCACAGTCTCTCCAAGG  
 AGTCTATGCCATGGGTTTCAATCGTCCATCCAAGATACAAGAGAACGCATTGCCACTGAT  
 GCTTGCTGAGCCCCACAGAACTTAATTGCCCAATCTCAGTCTGGTACTGGTAAAACAGC  
 TGCCTTGTGCTGGCCATGCTTAGCCAAGTAGAACCTGCAAAACAATACCCCCAGTGTCT  
 ATGTCTCTCCCCAACGTATGAGCTCGCCCTCCAAACAGGAAAAGTATTGAACAATGGG  
 CAAATTTTACCCTGAAGTGAAGCTAGCTTATGCTGTTGAGGCAATAAATGGAAAGAGG  
 CCAGAAGATCAGTGAGCAGATTGTATTGGCACCCTGGGACTGTGCTGGACTGGTGCTC  
 CAAGCTCAAGTTCATTGATCCCAAGAAAATCAAGGTGTTTGTCTGGATGAGGCTGATGT  
 CATGATAGCCACTCAGGGCCACCAAGATCAGAGCATCCGCATCCAGAGGATGCTGCCAG  
 GAACTGCCAGATGCTGCTTTTCTCCGCCACCTTGAAGACTCTGTGTGGAAGTTTGCCCA  
 GAAAGTGGTCCCAGACCCAAACGTTATCAAAGTGAAGCGTGAAGGAGAGCCCTGGACAC  
 CATCAAGCAGTACTATGCTGTGCAGCAGCAGAGACGAGAAGTCCAGGCCTTGTGTAA  
 CCTCTACGGGGCCATCACCATTGCTCAAGCCATGATCTTCTGCCATACTCGCAAAACAGC  
 TAGTTGGCTGGCAGCAGAGCTCTCAAAAGAAGGCCACCAGGTGGCTCTGCTGAGTGGGA  
 GATGATGGTGGAAACAGAGGGCTGCAGTGATTGAGCGCTCCGAGAGGGCAAGAGAAGGT  
 TTTGGTGACCACCAACGTGTGTGCCCGCGCATTGATGTTGAACAAGTGTCTGCTGCAT  
 CAACCTTGTATCTCCCGTGGACAAGGACGGGAATCCTGACAATGAGACCTACCTGCACCG  
 GATCGGGCGCACGGGCCCTTTGGCAAGAGGGGCTGGCAGTGAACATGGTGGACAGCAA  
 GCACAGCATGAACATCCTGAACAGAATCCAGGAGCATTTTAAAGAAGATAGAAAGATT  
 GGACACAGATGATTTGGACGAGATTGAGAAAAATAGCCAACTGAGAAGCTCCACCAGCCAC  
 TGATGCCAGCCCTGGCACTGCCCTGCACAGGAGACAAGTGCCTCAGGGCACAGGCCCC  
 GACATCACCCCAAGGACAACGGCACAAGTAGAGAGAACTACCTACCTCACTTCAAATTA  
 TGTTTGGACTTGACAAAAATGTATGCAAAATGATGGGGATGGTAGAAAAAATTATTAC  
 ACAACCTTGAAGATTAGGCATGAATACACAGAGATTTACCTTTTGGAAAAAATAAAAA  
 AAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_007242

**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\\_007242.4](#), [NP\\_009173.1](#)

**RefSeq Size:** 1831 bp

**RefSeq ORF:** 1440 bp

**Locus ID:** 11269

**UniProt ID:** [Q9UMR2](#)

**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 this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. This protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform (1).