

## Product datasheet for SC301947

### DDX19B (NM\_001014449) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDX19B (NM_001014449) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX19B
Synonyms:	DBP5; DDX19; RNAh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301947 representing NM_001014449. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGGTTTCAATCGTCCATCCAAGATACAAGAGAACGCATTGCCACTGATGCTTGCTGAGCCCCACAG
AACTTAATTGCCAATCTCAGTCTGGTACTGGTAAAACAGCTGCCTTCGTGCTGGCCATGCTTAGCCAA
GTAGAACCTGCAAACAAATACCCCCAGTGTCTATGTCTCTCCCCAACGTATGAGCTCGCCCTCAAACA
GGAAAAGTGATTGAACAAATGGGCAAATTTTACCCTGAAGCTAGCTTATGCTGTTTCGAGGCAAT
AAATTGGAAAGAGGCCAGAAGATCAGTGAGCAGATTGTCATTGGCACCCCTGGGACTGTGCTGGACTGG
TGCTCCAAGCTCAAGTTCATTGATCCCAAGAAAATCAAGGTGTTTGTCTGGATGAGGCTGATGTCATG
ATAGCCACTCAGGGCCACCAAGATCAGAGCATCCGCATCCAGAGGATGCTGCCAGGAAGTCCAGATG
CTGCTTTTCTCCGCCACCTTTGAAGACTCTGTGTGGAAGTTTGGCCAGAAAGTGGTCCCAGACCCAAAC
GTTATCAAAGTGAAGCGTGAGGAAGAGACCCTGGACACCATCAAGCAGTACTATGTCTGTGCAGCAGC
AGAGACGAGAAGTTCAGGCCTTGTGTAACCTCTACGGGGCCATCACCATTGCTCAAGCCATGATCTTC
TGCCATACTCGCAAAACAGCTAGTTGGCTGGCAGCAGAGCTCTCAAAGAAGGCCACCAGGTGGCTCTG
CTGAGTGGGAGATGATGGTGGACAGAGGGCTGCAGTGATTGAGCGCTCCGAGAGGGCAAAGAGAAG
GTTTTGGTGACCACCAACGTGTGTGCCCGGCCATTGATGTTGAACAAGTGTCTGTGTCATCAACTTT
GATCTTCCGTGGACAAGGACGGGAATCCTGACAATGAGACCTACCTGCACCGGATCGGGCGCACGGGC
CGCTTTGGCAAGAGGGGCTGGCAGTGAACATGGTGGACAGCAAGCACAGCATGAACATCCTGAACAGA
ATCCAGGAGCATTTTAATAAGAAGATAGAAAGATTGGACACAGATGATTTGGACGAGATTGAGAAAATA
GCCAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001014449
<b>Insert Size:</b>	1113 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001014449.2</a></u>
<b>RefSeq Size:</b>	1726 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	11269
<b>UniProt ID:</b>	<u><a href="#">Q9UMR2</a></u>
<b>Cytogenetics:</b>	16q22.1
<b>MW:</b>	41.8 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks 2 consecutive exons in the 5' region, as compared to variant 1. This results in translation initiation from a downstream AUG codon and an isoform (3) with a shorter N-terminus compared to isoform 1.</p>