

## Product datasheet for **SC316422**

### DDX17 (NM\_001098504) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDX17 (NM_001098504) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX17
Synonyms:	P72; RH70
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001098504 edited  
 GGAAGGAGACGCCTAAACCGCGGCACTGCCCGTTTGTAGCGTAGCCAAACCTGCCACCG  
 GCTTTGTAGCCCCGATTCTCTGTGTTTTGCTCCCGTCTCCGACGAGAGAGGCGGCGACGG  
 TGGCGTCTGCGACGGGAGACAGCGCGTCCGAGCGAGAGAGCGCTGCGCCTGCCGCCGCC  
 CAACAGCGGAGGCGCCGCCATCGGTCGTACCAGACCGGAGCCGAGGCCCTCCCGA  
 GCCCGGCCATCCGTGCCCGCTCCAGATCTCTATCCTTTGGGACCATGCGCGGAGGAG  
 GCTTTGGGACCGGGACCGGATCGTGACCGTGGAGGATTTGGAGCAAGAGGTGGTGGTG  
 GCCTTCCCCGAAGAAATTTGGTAATCCTGGGGAGCGTTTGCCTAAAAAAGTGGGATT  
 TGAGTGAGCTCCCCAAGTTTGAGAAAAATTTTATGTGGAACATCCGAAAGTAGCAAGGC  
 TGACACCATATGAGGTTGATGAGCTACGCCGAAAGAAGGAGATTACAGTGAGGGGGGAG  
 ATGTTTGTCTAAACCCGTGTTTGCCTTCCATCATGCTAACTCCACAAATATGTAATGG  
 ATGTGTTGATGGATCAGCACTTTACAGAACCACTCCAATTCAGTGCCAGGGATTTCCGT  
 TGGCTCTTAGTGGCCGGATATGGTGGCATTGCTCAGACTGGCTCTGGGAAGACGTTGG  
 CGTATCTCCTGCCTGCAATTGTTTCATATTAACCACCAGCCATACTGGAAAGGGGAGATG  
 GCCCAATCTGTCTAGTTCTGGCTCCTACCAGAGAGCTTGCCAGCAAGTACAGCAGGTGG  
 CCGATGACTATGGCAATGTTCTAGATTGAAGAGTACTTGATTTATGGAGGTGCTCCTA  
 AAGGTCCCAGATTTCGAGACTTGAAAGAGGTGTTGAGATCTGCATAGCCACTCCTGGAC  
 GTCTGATAGATTTCTGGAGTCAGGAAAGACAAATCTTCGCCGATGACTTACCTTGAT  
 TGGACGAAGCTGACAGAAATGCTTGATATGGGGTTTGAACCCAGATCCGTAATAATGTTG  
 ACCAAATCAGGCTGATAGGCAGACACTGATGTGGAGTGAACCTGGCCAAAAGAAGTAA  
 GACAGCTTGCAGAGGATTTCTTCGTGATTACACCCAGATCAACGTAGGCAATCTGGAGT  
 TGAGTGCCAAACCAACATCCTCCAGATAGTGGATGCTGCATGGAAAGTAAAAAGACC  
 ACAAGTTGATCCAATAATGGAAGAAATAATGGCTGAAAAGGAAAAACAAACAATAATAT  
 TTGTGGAGACAAAGAGACGCTGTGATGATCTGACTCGAAGGATGCGCAGAGATGGTTGGC  
 CAGCTATGTGATCCATGGAGACAAGAGTCAACCAGAAAGAGATTGGGTACTTAATGAGT  
 TCCGTTCTGAAAGGCACCCATCCTTATTGCTACAGATGTAGCCTCCCCTGGGCTAGATG  
 TGGAAAGATGTCAAGTTTGTGATCAACTATGACTATCCAAACAGCTCAGAGGATTATGTGC  
 ACCGATTTGGCCGAACAGCCGTAGCACCAACAAGGTTACCGCTATACCTTCTTACCC  
 CAGGGAACCTAAAACAGCCAGAGACTTATCAAAGTCTGGAAGAGGCCAATCAGGCTA  
 TCAATCCAAAACCTGATGCAGCTTGTGGACCACAGAGGAGCGGCGGAGGGGGGGTGGTC  
 GTTCTCGTTA:C:::CGGACCACTTCTCAGCCAACAATCCCAATCTGATGTATCAGG  
 ATGAGTGTGACCGAAGGCTTCGAGGAGTCAAGGATGGTGGCCGGAGAGACTCTGCAAGCT  
 ATCGGGATCGTAGTGAACCGATAGAGCTGGTTATGCTAATGGCAGTGGCTATGGAAGTC  
 CAAATTCTGCCTTTGGAGCACAAGCAGGCCAATACACCTATGGTCAAGGCACCTATGGGG  
 CAGCTGCTTATGGCACCAGTAGCTATACAGCTCAAGAATATGGTGTGGCACTTATGGAG  
 CTAGTAGCACCACTCAACTGGGAGAAGTTCACAGAGCTTAGCCAGCAGTTTAGTGGGA  
 TAGGCCGGTCTGGGCAGCAGCCACAGCCACTGATGTCACAACAGTTTGCACAGCCTCCGG  
 GAGCTACCAATATGATAGGTTACATGGGGCAGACTGCCTACCAATACCTCCTCCTCCTC  
 CCCCTCCTCCTTACGTAATGAAACCACTCAAGTGGTAGTACTCCAGCAGACTTA  
 ATTACATTTTAAAGAACACTGTCTTCTTTTTTTTTCTTCTTCCGCTTTTCTTTTTTTTT  
 CCTTTTTTCTTTTTTTTTTTAATTTTTCCCCCAACCATCGTATTTGTCTTTTCATGC  
 AGATTAGTTAGAATTCAGTCCAGGTTTCTTCTGCCACCAAAATGATCCAGTCTGGAAT  
 AACATTTGTAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001098504  
**Insert Size:** 2500 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>NM_001098504.1, NP_001091974.1</u>
<b>RefSeq Size:</b>	4811 bp
<b>RefSeq ORF:</b>	2196 bp
<b>Locus ID:</b>	10521
<b>Cytogenetics:</b>	22q13.1
<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 splicesosome 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 is an ATPase activated by a variety of RNA species, but not by dsDNA. This protein, and that encoded by DDX5 gene, are more closely related to each other than to any other member of the DEAD box family. This gene can encode multiple isoforms due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) start codon. [provided by RefSeq, Apr 2011]</p> <p>Transcript Variant: This variant (3) uses a different donor splice site (6 nt downstream) in the penultimate coding exon, but initiates translation from the same non-AUG (CUG) codon as transcript variant 1, resulting in an isoform (3) that is 2 aa longer than isoform 1. Alternate translation from an in-frame, downstream AUG yields a shorter isoform.</p>