

Product datasheet for **SC108844**

DDX17 (NM_006386) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX17 (NM_006386) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX17
Synonyms:	P72; RH70
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108844 sequence for NM_006386 edited (data generated by NextGen Sequencing)

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CTGCCACCGCTTTGTAGCCCCGATTCTCTGTGTTTTGCTCCCGTCTCCGACGAGAGAG
GCGGCGACGGTGGCGTCTGCGACGGGAGACAGCGCGTCGGAGCGAGAGAGCGCTGCGCCT
GCCGCCGCCAACACAGCGGAGGCCGCCGCCATCGGTCGTCACCAGACCGGAGCCGCGAG
GCCCTCCCGAGCCCGGCCATCCGTGCCCGCTCCAGATCTCTATCCTTTTGGGACCATG
CGCGGAGGAGGCTTTGGGACCGGGACCGGGATCGTGACCGTGGAGGATTTGGAGCAAGA
GGTGGTGGTGGCCTTCCCCGAAGAAATTTGGTAATCCTGGGGAGCGTTTGCCTAAAAAA
AAGTGGGATTTGAGTGAGCTCCCCAAGTTTGGAAAAATTTTTATGTGGAACATCCGGAA
GTAGCAAGGCTGACACCATATGAGGTTGATGAGCTACGCCGAAAGAAGGAGATTACAGTG
AGGGGGGAGATGTTTGCCTAAACCCGTGTTTGCCTTCCATCATGCTAACTTCCACAA
TATGTAATGGATGTTGATGGATCAGCACTTTACAGAACCAACTCCAATTCAGTGCCAG
GGATTTCCGTTGGCTCTTAGTGGCCGGGATATGGTGGCATTGCTCAGACTGGCTCTGGG
AAGACGTTGGCGTATCTCTGCCTGCAATTGTTTCAATTAACCACCAGCCATACTGGAA
AGGGGAGATGGCCAATCTGTCTAGTTCTGGCTCTACCAGAGAGCTTGCCAGCAAGTA
CAGCAGGTGGCCGATGACTATGGCAAATGTTCTAGATTGAAGAGTACTTGTATTTATGGA
GGTGTCTCTAAAGTCCCCAGATTCGAGACTTGAAAAGAGGTGTTGAGATCTGCATAGCC
ACTCTGGACGTCTGATAGATTTCTGGAGTCAGGAAAGACAAATCTTCGCCGATGACT
TACCTTGATTGGACGAAGCTGACAGAATGCTTGATATGGGGTTTGAACCCAGATCCGT
AAAATTGTTGACCAATCAGGCCGATAGGCAGACACTGATGTGGAGTGCACCTGGCCA
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GAAAAAGACCACAAGTTGATCCAATAATGGAAGAAATAATGGCTGAAAAGGAAAAACAA
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GATGGTTGGCCAGCTATGTGTATCCATGGAGACAAGAGTCAACCAGAAAGAGATTGGGTA
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GGGCTAGATGTGGAAGATGTCAAGTTTGTGATCAACTATGACTATCCAAACAGCTCAGAG
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TTCTTCACCCAGGGAACCTAAAACAGGCCAGAGAGCTTATCAAAGTCTGGAAGAGGCC
AATCAGGCTATCAATCCAAAACGATGCAGCTTGTGGACCACAGAGGAGGCGCGGAGGC
GGGGTGGTTCGTTCTCGTTACCGGACCACTTCTCAGCCAACAATCCCAATCTGATGTAT
CAGGATGAGTGTGACCGAAGGCTTCGAGGAGTCAAGGATGGTGGCCGGAGAGACTCTGCA
AGCTATCGGGATCGTAGTGAAACCGATAGAGCTGGTTATGCTAATGGCAGTGGCTATGGA
AGTCCAAATTTCTGCCTTTGGAGCACAAGCAGGCCAATACACCTATGGTCAAGGCACCTAT
GGGGCAGCTGCTTATGGCACCAGTAGCTATACAGCTCAAGAAATAGGTGCTGGCAGTTAT
GGAGCTAGTAGCACCACTCAACTGGGAGAAGTTCACAGAGCTCTAGCCAGCAGTTTGTAGT
GGGATAGGCCGGTCTGGGCAGCAGCCACAGCCACTGATGTCACAACAGTTTGCACAGCCT
CCGGGAGCTACCAATATGATAGGTTACATGGGGCAGACTGCCTACCAATACCCCTCCTCT
CCTCCCCCTCCTCCTCCTCACGTAATGA
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Clone variation with respect to NM_006386.4

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006386 unedited</p> <pre>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAAGGAGACGCC TAAACCGCGGCACTGCCCGGTTTGAGCGTAGCCAAACCTGCCACCGGCTTTGTAGCCCC GATTCTCTGTGTTTTGCTCCCGTCTCCGACGAGAGAGGCGGCGACGGTGGCGTCTGCGAC GGGAGACAGCGCGTCGGAGCGAGAGAGCGCTGCGCCTGCCCGCCCCAACAGCGGAGGC GCCCGCCCATCGGTCGTACCAGACCGGAGCCGAGGCCCTCCGAGCCCGGCCATCCG TGCCCGCTCCAGATCTATCCTTTTTGGGACCATGCGCGGAGGAGGCTTTGGGACCG GGACCGGATCGTGACCGTGGAGATTTGGAGCAAGAGGTGGTGGTGGCCTTCCCCGAA GAAATTTGGTAATCCTGGGAGCGTTTTCGTAAAAAAGTGGGATTTAGTGAGCTCCC CAAGTTTGAGAAAAATTTTATGTGGAACATCCGGAAGTAGCAAGGCTGACACCATATGA GGTTGATGAGCTACGCCGAAAGAAGGAGATTACAGTGAGGGGGGAGATGTTTGCCTAN ACCCGTGTTTGCCTTCCATCATGCTAATTCCACAATATGTAATGGATGTGTTGATGGA TCAGCACTTACAGAACCACTCCCATTCAGTCCAGGGATTTCCGTTGGCTCTTANTGG CCGGGATATGGTGGCATTGCTCANACTGCCTCTGGGAAGACGTTGGCGTATCTCCTGCC TGCCAATGTTTCAATTACCCCCACCATACTGGGNAAGGAGATGCCCCATCTGTCTATT CTTGCTCTACCAAAAGCTTGCCACCAGTCAGCAGTGGCCGTGACTATGGCAATGTTTA GATTGAAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006386 unedited</p> <pre>ACCGCGGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTCAGCTATATATATA TATATATATTCTTTTTTTTACAAAATGTTATTCCAAACTGGATCATTTTGGTGGGCAAAA AAAACCTGGCAGTGAATTCTAACTAATCTGCATGAAAAGACAAAACACGATGGTTGGGG GAAAAATTAACAAAAAAGAGAAAAAGGAATAAAACACAAAAGGCGAACAGGAAAAA AAAAGGAAAGACAGAGTCCCTTAAAATGTAATTAAGTCTGCTGGAGTCACTACCCTTGA GTGGTTTCATTTACGTGAAGGAGGAGGAGGGGAGGAGGAGGAGGATTTGGCAGGCACT TTGCCATGTAACCTATCTCCTTGCCACCTCCCCATGCTCCCCCCCCGAGCCACCCA CTGTCTCCTGTCTCCTCACCGCCCCAACCACTATACCCACTACCCCCGGCCCTC TCCTCCCATCCCCACCACCCCCCTATCCCCAACCCCCCTCCCATCTCCCCC TTCATACCCCCCTACCCCCCTCAATTTAACACGTCTCCCCTATTCTTCCTTCTCCCT ACTGCCTCGCCAAAAGCCTCTCCGAACTACCCCGCCTAATCCCACCAACCAACA TCCCCCTCAATTCCCACCCTTCCCAATTCCCTCCCTCACTCTTCCCTGCTTCCCGCC TCCTCCCCCTCTTCCATCACCTTCCACCATCCCTCCCCCCCCCTTTTCTCCCCGT ACCCCTTATCCAATATCCCTTCTATTTTCCCTCCCCACATTTCCCCCACCCTT TACCCTTTGCGCCCCGACACCTTCCACATTCTCCATTCACTTTTCTCTCATTCT ATTCCGTCCTCCCTTCCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006386
Insert Size:	2620 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:	<ol style="list-style-type: none">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_006386.3 , NP_006377.2
RefSeq Size:	4761 bp
RefSeq ORF:	2190 bp
Locus ID:	10521
UniProt ID:	Q92841
Cytogenetics:	22q13.1
Domains:	DEAD, helicase_C
Gene Summary:	<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 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 (1) encodes isoform 1 (also known as p82) through the use of a non-AUG (CUG) translation initiation codon. Alternate translation from an in-frame, downstream AUG results in a shorter isoform (known as p72).</p>