

## Product datasheet for **SC337795**

### **DDX46 (NM\_001300860) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DDX46 (NM_001300860) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX46
Synonyms:	Prp5; PRPF5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001300860, the custom clone sequence may differ by one or more nucleotides

```

ATGGGTCGGGAGTCACGCCACTATCGAAAACGATCGGCATCCCGGGTTCGCTCTGGAAGTCGGTCTAGAA
GTCGCTCACCCCTCAGACAAAAGAAGTAAACGTGGAGATGACAGACGGTCTAGAAGTAGAGATAGAGATAG
GAGGAGAGAGAGGTCTCGTAGCAGGGATAAAGAAGATCTCGGTCAAGGGACAGGAAGCGTCTGAGACGT
TCCAGAAGTAGAGAGAGAGACAGAAGCCGAGAGCGAAGAAGATCTCGAAGTAGAGACAGGAGACGCTCAA
GGAGTAGAAGCCGGGGCCGGCGATCCCGATCCTCCAGTCTGAAATAAAAGCAAGAAAAGTGAATAG
ATCTAGGTCCAAAGAGAAAAGTATGTTGGGAAAGTTCTAAAGAGAAGAAAAAGACAAAAGATGACAAG
GAGGATGAAAAAGAAAAGATGCTGGCACTTTGACCAGAATAAGCTGGAAGAAGAAATGAGAAAAGCGAA
AAGAAAGAGTAGAAAAATGGCGAGAAGAGCAACGTAAAAAGGCTATGAAAACATAGGAGAACTGAAAA
GGAAATCGAAGAGATGAAACAAGGGAAAAAGTGGAGTTTAGAGGACGATGATGATGACGAAGATGATCCT
GCAGAAGCTGAAAAGGAGGAAATGAAATGGAGGGTGGAGGTTAGATCCATTAGATGCTTACATGGAAG
AAGTGAAGAGGAAGTAAAAAATTTAACATGAGAAGTGTAAAAGTGGTGGGGGAAATGAAAAGAAGTC
TGGGCCAACGGTCAAAAAGTTGCACTGTTGTGACAACCAAAAAGCAGTTGTGGATTCTGATAAGAAG
AAAGGTGAGCTGATGGAGAATGACCAGGATGCCATGGAGTATTCTTCAGAGGAGGAAGAAGTTGATCTTC
AGACAGCCCTTACAGGATCAAAACAAACAGCGAAAGCTTCTAGAACCAGTTGATCATGAAAAATTTGA
GTATGAGCCATTTAGGAAAACTTCTATGTTGAAGTCCAGAAGTCCAGAAAATGTCTCAAGAAGAGGTA
AATGTGTTTCGATTGAAATGGAGGGCATTACAGTTAAAGGAAAAGGTTGCCCAACCAATTAATCCT
GGGTCCAGTGTGGAATTTCCATGAAGATCTTAATCCCTCAAGAAGCATGGCTATGAAAAGCCACGCC
CATCCAAACCAAGCTATTCCTGCTATAATGCTGGACGAGATTTGATTGGCATTGCCAAAACAGGAAGT
GGAAAGCATTGCTTTTCTGTTGCCATGTTTAGACACATCATGGATCAGAGGTCATTAGAGGAAGGAG
AGGGGCCAATAGCTGTCATCATGACTCCAACGAGAACTGGCTTTACAGATTACTAAAGAGTGTAAAGAA
GTTTTCCAAGACTTTGGACTTAGAGTGGTCTGTGTTACGGAGGAACAGGAATCAGTGAGCAGATTGCT
GAGCTGAAAAGAGGTGCTGAAATATTGTTTGCACACCTGGTCAATGATTGACATGTTAGCCGCTAACA
GTGGTCGGGTCACAAATCTCGAAGAGTGACATATGTTGTTTTAGATGAAGCAGACAGAATGTTTGACAT
GGGTTTTGAACCCAGGTCATGCGCATCGTGGATAATGTTGCTCCTGATCGACAGACGGTATGTTTTCA
GCTACTTTCCCCAGAGCTATGGAGGCTTTGGCTCGCAGGATCCTCAGTAAACCTATTGAAGTACAAGTTG
GAGGCAGGAGTGTGGTTGCTCAGATGTGGAGCAACAAGTATTGATTGAAGAAGAAAAGAAATCCTT
GAAGTTACTTGAGCTTCTAGGCCATTATCAAGAGTCAGGATCTGTATTATTTGTGGATAAGCAGGAA
CATGCTGATGGTCTTCTTAAGGATTTAATGAGAGCATCTTATCCTTGATGCTCTTTCATGGAGGCATTG
ATCAATATGACAGAGATAGCATCATAAATGACTTTAAGAATGGGACCTGCAAACCTCTTGTGGCTACCTC
TGTGCTGCCCGAGGTCTAGATGTGAAACATCTGATTCTTGTAGTAAATTATAGCTGCCCAACCATTTAT
GAGGATTATGTACACAGAGCAGGGCGGACTGGAAGAGCAGGAAACAAGGGTTATGCTTACTTTTATCA
CAGAGGATCAAGCTCGCTATGCTGGTGACATAATTAAGCTCTTGAATTGTCAGGGACTGCAGTACCTCC
TGATTTAGAGAACTGTGGAGTGATTTCAAAGATCAGCAGAAAGCTGAGGGGAAAATAATTAAGAAGAGT
AGTGGTCTCTGGTAAGGGATTCAAGTTTGTGAAACAGAACAAGCTTTGGCTAATGAGAGGAAGAAGT
TACAAAAAGCAGCTCTTGGTCTACAAGATTCAGATGATGAGGATGCTGCAGTTGATTTGATGAGCAAAT
TGAAAGCATGTTAATTCAAAGAAGAGAGTAAAGGATATGGCTGCTCCTGGAACATCAAGTGTTCCTGCT
CCAACCTGCAGGAAATGCTGAGAAATTAGAAATGCTAAGAGATTGGCTCTTAGAATCAATGCCCAGAAGA
ATTTGGGCATCGAGTCTCAGGTAGATGTGATGCAGCAGGCCACCAATGCAATTCTTAGGGGTGGCACCAT
TCTGGCTCCCACTGTTTCTGCAAAAACATTGCAGAACAATTGCTGAAAAGATCAATGCCAAGCTCAAT
TATGTGCCGTTAGAGAAACAAGAAGAAGAGAGACAGGATGGTGGACAGAATGAATCTTTTAAAGATATG
AAGAAGAATTAGAGATCAATGACTTCCCACAGACTGCTAGGTGAAAGTTACCTTAAGGAAGCTCTGCA
GAGAATCAGTGAATACTCTGAAGCCGAATTACAATCAGAGGAACCTACTTCCCTCTGGCAAAGAACC
AAGGAAGCGAGCGGAAGATTTACTTGGCAATTGAAAGTGCCAAATGAACTGGCTGTGCAGAAAGCAAAGG
CAGAAATCACCAGGCTCATAAAAAGAAGAGCTGATCCGGCTGCAAAATTCATACCAACCAACAATAAAGG
AAGATACAAAGTCTTAG
    
```

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_001300860
<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>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>	<a href="#">NM_001300860.1</a> , <a href="#">NP_001287789.1</a>
<b>RefSeq Size:</b>	5750 bp
<b>RefSeq ORF:</b>	3099 bp
<b>Locus ID:</b>	9879
<b>UniProt ID:</b>	<a href="#">Q7L014</a>
<b>Cytogenetics:</b>	5q31.1
<b>Protein Pathways:</b>	Spliceosome
<b>Gene Summary:</b>	<p>This gene encodes a member of the DEAD box protein family. 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. The protein encoded by this gene is a component of the 17S U2 snRNP complex; it plays an important role in pre-mRNA splicing. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>