

## Product datasheet for **SC113877**

### DDX27 (NM\_017895) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDX27 (NM_017895) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX27
Synonyms:	dj686N3.1; DRS1; Drs1p; HSPC259; PP3241; RHLP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_017895, the custom clone sequence may differ by one or more nucleotides

```
ATGGTACTTGCACAAAGACGACGAGGAGGCTGCGAAAAGTTAAGGGCCGGACCCGAGGCTGTGCTCGCTT
CCGGAAGTGGCTTCTGCGACAACATGCTTGCAGACCTCGGCTTAATCGGAACCATAGGCGAGGATGACGA
GGTGCCGGTGGAGCCCGAGTCTGACTCCGGGGACGAGGAAGAGGAGGGGCCCATTTGTGCTGGGCAGACGA
CAAAAAGCTTTGGGAAGAACCAGTGTGATTCAACCCTGATTTCTGTTTTCACTGAGAAGGAGGGGA
CGTACGATGGCAGCTGGGCCCTGGCTGATGTCATGAGCCAACTCAAGAAGAAGAGGGCAGCCACTACATT
AGATGAGAAGATTGAGAAAGTTCGAAAGAAAAGGAAAACAGAGGATAAAGAAGCCAAAGTCTGGGAAGTTG
GAAAAGGAGAAAGAAGCAAGGAAGGCTCTGAACCAAAGGAGCAGGAAGACCTTCAAGAGAATGATGAGG
AAGGCTCAGAAGATGAAGCCTCGGAGACTGACTACTCATCAGCTGATGAGAACATCCTCACCAAAGCAGA
TACACTCAAAGTAAAGGATCGGAAGAAGAAGAAGAAGAAAGGACAGGAAGCAGGAGGATTTTTGAAGAT
GCATCTCAGTACGATGAAAACCTCTCGTCCAGGACATGAACCTTCCCCTCTTCTGAAGGCCATTA
CAGCCATGGGCTTCAAGCAGCCACCCCGATCCAGAAGGCGTGCATACCTGTGGGTCTATTGGGGAAGGA
CATCTGTGCCTGTGCAGCCACTGGGACAGGTAAACTGCCGCCTTTGCCCTGCCTTTTTGGAGCGTCTG
ATTTATAAAACCCCGCCAGGCTCCAGTACCCCGCTGCTGGTGCTAGTGCCACCCGAGAGCTGGGCATCC
AGGTGCACTCTGTACCAGACAGCTGGCCAGTTCTGCAACATCACACCTGCCTGGCTGTGGGCGGCTT
GGATGTGAAGTCTCAGGAAGCAGCTCTTCGGGCAGCGCTGACATCCTCATCGCCACCCAGGCCGCTC
ATCGATCACCTCCACAACCTGCCCTTCTTCCACCTGAGCAGCATCGAGGTGCTCATCCTGGACGAGGCTG
ACAGGATGCTGGATGAGTACTTTGAGGAGCAGATGAAGGAGATCATCCGAATGTGTTCCACCACCGCCA
GACCATGCTCTTCTCGCCACCATGACAGACGAGGTGAAAGATCTGGCTTCTGTCTCCTTGAAGAATCCT
GTCCGGATATTTGTGAACAGCAACACAGATGTGGCTCCCTTCTGCGGCAGGAGTTCATCCGGATCCGGC
CTAATCGTGAAGGAGACCGGGAAGCCATCGTGGCAGCTTTGTTGACGAGGACCTTCACTGACCATGTGAT
GCTGTTACGCAAAACCAAGAAGCAGGCCACCGCATGCACATCCTCCTGGGGCTCATGGGCTGCAGGTG
GGTGAGCTCCATGGCAACTTGTACAGACGCAGCGGCTGGAGGCCCTCCGGCTTTTAAGGATGAACAGA
TTGACATCCTCGTGGCCACTGATGTGGCAGCCCGTGGACTTGACATTGAGGGGTCAAACGGTAATCAA
CTTCAATGCCTAATACCATCAAACATTATGTCCACCGGTGGGGCAACAGCACGTGCTGGCAGGGCT
GGGCGCTCAGTCTCTCTGGTGGGAGAAGATGAGCGGAAGATGCTGAAGGAGATTGAAAAGCTGCCAAGG
CCCCTGTGAAGGCCAGGATACTTCCCAAGATGCATCCTCAAATCCGGGACAAGATTGAGAAAATGGA
GAAAGATGTGATGCAGTCTGCAGCTAGAGGCGGAGGAAAAGAGATGCAGCAGTCAGAAGCCAGATC
AATACAGCAAAGCGGCTCCTGGAGAAGGGGAAGGAGGAGTGGTCCAAGAGCCCGAGAGGAGCTGGTTCC
AGACCAAAGAAGAGAGGAAGAAGGAGAAAATTGCCAAAGCTCTGCAGGAATTTGACTTGGCCTTAAGAGG
AAAGAAGAAAAGGAAGAAGTTTATGAAGGATGCCAAAAAAGGGGGAGATGACAGCAGAGGAAAGGTCT
CAGTTTGAAATCCTCAAGGCGCAGATGTTTGTGAACGGCTAGCGAAGAGGAATCGCAGAGCCAAGCGGG
CCCAGCAATGCCGAGGAGGAGCCAGTGAAGGTCCTGCCAAGAAGCAAAGCAGGGGAAGAAATCTGT
ATTTGATGAAGAACTACCAACACAAGCAAGAAGGCCCTGAAACAGTATCGAGCTGGCCCTTCTTTGAA
GAAAGGAAACAGTTGGGCTTGGCCACCCAGAGACGAGGAGGAACTTTAAATCTAAATCCAGATACAAGA
GGAGGAAGTAG
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_017895 unedited  
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCCTGCCTGTTTT  
 GGAGCGTCTGATTTATAAACCCCGCCAGGCTCCAGTCACCCGCGTCTGGTGCTAGTGCC  
 CACCCGAGAGCTGGGCATCCAGGTGCACTCTGTACCAGACAGCTGGCCAGTTCTGCAA  
 CATCACCACTGCCTGGCTGTGGGCGGCTTGGATGTGAAGTCTCAGGAAGCAGCTCTTCG  
 GGCAGCGCCTGACATCCTCATCGCCACCCAGGCCGGCTCATCGATCACCTCCACAAGT  
 CCCTTCCCTCCACTGAGCAGCATCGAGGTGCTCATCCTGGACGAGGCTGACAGGATGCT  
 GGATGAGTACTTTGAGGAGCAGATGAAGGAGATCATCCGAATGTGTTCCACCACCGCCA  
 GACCATGCTCTTCTCGGCCACCATGACAGACGAGGTGAAAGATCTGGCTTCTGTCTCCTT  
 GAAGAATCCTGTCCGGATATTTGTGAACAGCAACACAGATGTGGCTCCCTTTCTGCGGCA  
 GGAGTTTACCCGGATCCAGCCTAATCGTGAAGGAGACCGGGAAGCCATCGTGGCAGCTTT  
 GTTGACGAGGACCTTCACTGACCATGTGATGCTGTTACGCAAACCAAGAAGCAGGCCCA  
 CCGCATGCACATCCTCCTGGGGCTCATGGGGCTGCAGGTGGTGAGCTCCATGGCAACTT  
 GTCACAGACGCAGCGCCTGGAGCCCTCCGGGCGTTTAAGATGAACAGATTGACATCCTC  
 GTGGCCACTGATGTGGCAGCCCGTGGACTTGACATTNGAGGGGTCAAACGGTNATCAAC  
 TCACAATGCCTAATACCTCAAACCTATGTCCACCGGTGGNGCGAACAGACGTGCTGGCAG  
 GNCTGGCGCTCATC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_017895 unedited  
 GCGACAGCNTTATAGGGTCGAGAAAAATCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTCTTCCCAAAAATACTTCCATTTAATATAGCCATATGAAAGCTAATCACAAA  
 AAGGGAATGGACAGACATGCTTAGGAAAATAGCTACGTACCATACCACCACCAAAGG  
 GGGTTTTTGGTTTTTGGTTTTTTTTTTTTTTTTTGGGAAAAAAGACAGACCAGCCAGGATG  
 ACTTCCCACAGGGAAGGGATTAAGGGCTGCCCCATGAATTTTTTAAGGCCACAACAGC  
 TACTTCTCCTCTGGGATCGGGATTAATAATTAAGTTTCTCCTCGTCTTTGGGGGGG  
 AAGCCCACTGTTTCTTTTTTCAAAGGAAGGGCCAGCTCGATACTGTTTCAGGGCCTTC  
 TTGCTTGGGTGGGGAGTTCTTCATCAAAAACAGATTTCTTCCCCTGCTTTTGCTTCTTG  
 GCAGGACCTCTACTGGCTCCTCCTCGGCATTGCTCGGGCCCGTTGGCTCTGCAATTC  
 CTCTTCGCTAGCCGTTCAAGCAACATCTGCGCCTTGAGGATTTAAACTGAGACCTTCC  
 TCTGCTGACATCTCCCCCTTTTTTTGGCATCCTTAATAAAAACCTCCTTTTTCTTCTTT  
 CCTCTTAAGGCCAAGTCAAATCCTGCAAAGCTTTGGGCAATTTCTCCTTCTTCTCTC  
 TCTTGGGCCAGAAACAGTTTCTCCTCGGCCTTGGACCACTGCCTTCCCTTCCCTTTTC  
 CAGAAACCGCTTTGCGGAATGAACCGGGCTTTGACTGCTGAATCTTTTTCTCCGCT  
 TTAGCTGAAAAATGAAACCATCTTCCCAATTTCTAAACTGGCCGAATTTGAGGAGA  
 CACCTGGGAAAACCGCCTCAAAGGGCTGGGAGTTN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_017895

**Insert Size:**

1960 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).

<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_017895.5</a> , <a href="#">NP_060365.5</a>
<b>RefSeq Size:</b>	2711 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	55661
<b>UniProt ID:</b>	<a href="#">Q96GQ7</a>
<b>Cytogenetics:</b>	20q13.13
<b>Domains:</b>	DEAD, helicase_C
<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 involved in the processing of 5.8S and 28S ribosomal RNAs. More specifically, the encoded protein localizes to the nucleolus, where it interacts with the PeBoW complex to ensure proper 3' end formation of 47S rRNA. [provided by RefSeq, Jan 2017]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>