

Product datasheet for **SC314815**

DDX31 (NM_022779) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DDX31 (NM_022779) Human Untagged Clone
Tag: Tag Free
Symbol: DDX31
Synonyms: PPP1R25
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_022779 edited
ATTGAGCTCCAGAGCCTGTTAGGGAGCTACCCAGACAGGCTTTAGTTCCTAAAGTGCTGA
GGAAACGCACGGGGCGGTAAAGGGGAGGCTCGTCGGTGAGATGGCGCCGATCTCGCTTC
TCAGAGGCATTCAGAGAGCTTCCCCAGCGTGAACCTCTCGGCCGAATGTAATTTTGCCAGG
CCGCGAGGGACGCAGAGAGGGGCTGCCACCAGGCGGGGGCACGCGCGGTAGTCTTGTCCC
TACCCGCCCGGTGCCCGCTCCCGGCTCCCCTCGGGACGAGTCCGTACAGCTGGAGCCG
TTCCGGACCCGGAAGGGGCGGTGGCGCAGGGTCTCGCGCTCCACGTGGGGTCCCGGG
CCCAGCAGTCTGCGCACCGGGCTCGTGTGCACCACGCGTCACCCACGCAGACCATGGC
AGCCGCCGACGGTTCGCTCTTCGACAACCCAGGACGTTCTCCAGACGTCCCCAGCCCA
GGCGAGTCGGCAAGCAAAGGCTACGAAAAGAAAATACCAAGCGTCCAGTGAGGCTCCCC
AGCGAAACGGAGAACGAAACTTCATTTCTCCAGCCAAGAAAAGTGTAAAGAAAC
TCAGAGGACTTTAAGGGGAACGCACAAAAATGTTTTCTCAAAGAAGCATTTCGGTTAG
CACAAGTGATAGAAACCAGGAGGAGAGACAGTGCATTAAGACTTCATCACTGTTAAAAA
CAACCCTGACATTCAGAACTCCACAGACCTGTGGTAAAGCAGGTGCAAGAAAAAGTGT
TACTTCAGCTGCTTTTATGAGCTGGGCCTCCACCCACATTTAATTTCCACAATAAATAC
GGTCTTAAAAATGTCTAGTATGACCAGTGTTCAGAAGCAAAGTATTCCTGTGTGCTGGA
AGGCAGAGATGCTCTCGTGAGATCCCAGACGGGCTCAGTAAAAGTCTTGCCTATTGCAT
CCCTGTGGTCCAGTCCCTTCAAGCAATGGAGTCAAAAAACAGCGCAGTGATGGCCCTA
TGCCCTGGTCTCGTGCCAACGAGAGAGCTAGCTCTACAAGCTTTGACACTGTCCAGAA
ACTGCTTAAGCCTTTACCTGGATTGTGCCTGGAGTGTTAATGGGAGGAGAGAAGAGAAA
ATCAGAAAAGGCCAGACTCCGCAAGGAATAAATATCCTTATCTCAACTCCTGGACGCCT
GGTGGATCATATAAAATCCACAAAGAACATTCATTTTAGTCGGCTGCGGTGGTGGTGT
TGATGAAGCAGACAGAATCTTGGATTTGGGTTTTGAAAAGGACATCACAGTGATACTTAA
TGCTGTAAATGCTGAATGCCAAAACGACAGAATGTCTTGCTATCAGCGACACTCACAGA
AGGTGTAACGCGGCTAGCTGATATCAGTTTGCATGATCCAGTCAGTATTTCTGCCTGGA
CAAGAGCCATGACCAGTTGAACCCAAAGGACAAAGCGGTCCAGGAGGTCTGTCTCCACC
AGCTGGCGACAAGCTGGACAGCTTTGCAATACCAGAGAGTCTCAAGCAGCATGTGACTGT



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GGTCCCAGCAAACCTGAGGCTTGTCTGCCTAGCGGCTTCATCCTCAGAAATGCAAGTT
TGAGGAAGACCAGAAGATGGTTGTCTTTTTCTCAAGTTGCGAGCTGGTGGAGTTCCACTA
CAGCCTCTTCTACAGACCCTGTGAGCAGCTCAGGGGCGCCGGCATCAGGGCAGTTGCC
ATCTGCCTCCATGCGATTAATAATCCTACGGCTGCATGGCGGCATGGAGCAGGAGAAAG
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TGCAGCTCGGGGCTTAGATCTCCCTCAAGTCACGTGGATTGTTTCAGTACAACGCTCCATC
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CAGCCTGTCTCATTGGCTCCTTCGGAGGCAGAATATGTCAACTCGTTGGCTTCTCACA
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AGTGGATTGATGTCCAGTCTTGTGCAGAGGAGCCTTGTGAAAAATAACTGCGCCTTTGCC
TGAATACCACGTCCCAAGAATCAGAGGGGCCACAGCCCTTCTCCTCCATGGGAGGCCCT
GGAGCCTGATAGAAATCAGTGGTGTGGGCACTGTAGAGACTAGCCAGCTCCCGACGGAA
GGGTCTGTGTCTTGTATTGATCCCATCAGTCCCGGCACTCCCTTCAACCAGGTGTA
CGTGCCGGGTTGAGCTGGCACCCCGGATGTGATGTAAGAACGCCCTGCGCGTACGCT
GGAACGGGCTTGATTGCTGCCCTTAAGTGTGTTCTGAAGTTTACAGCTTGGCTTCAAGC
TATCAGCGCATACATTGGCATGAATTTTGTGAATTAGGGTGTAAAAACTGGAATTGAAT
TTGTACAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022779 unedited
TCGCATTTTGAATACGACTCACTATAGGGCGGCCGNAATTATTGAGTCCAGAGCCTGTT
AGGGAGCTACCCAGACAGGCTTTAGTTCCTAAAGTGTGAGGAAACGCACGGGGCGGTAA
AGGGGAGGCTCGTCGGTGAATGATGGCGCCGGATCTCGCTTCTCAGAGGCATTGAGAGCT
TCCCCAGCGTGAACCTCGGCCGAATGTAATTTTCCAGGCCGCGAGGGACGCAGAGAGG
GGCTGCCACCAGGCGGGGACGCGCGGTAGTCTTGTCCCTACCCGCCCGGTGCCGCCGT
CCCCGGCTCCCTCGGGACGAGTCCGTACAGCTGGAGCCGTTCCGGACCCGGAAGGGCG
GTGGCGCAGGGTCTCGCGCTCCACGTGGGGTCCGGGCCAGCAGTCTGCGCACCGG
GCTCGTGTGCAACCACGCTCACCCACGCAGACCATGGCAGCCCGGACGGTTCGCTCT
TCGACAACCCAGGACGTTCTCCAGACGTCCCCAGCCAGGCGAGTCGCAAGCAAAGG
CTACGAAAAGAAAATACCAAGCGTCCAGTTGAGCTCCCCAGCGAAACCGGAGAACGAAA
CTTCATTTTTCTCCACCAAGAAAATAATGGTTAAGGAAACTCAAAGGACTTTTAGGG
GGAACGCACAAAAATGTTTTCTCAAAGAAGCATTGGGTAACACAAGTATGGAAC
CGGGGAAAAGACGGTGCATTAAC
    
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Restriction Sites:

Please inquire

ACCN:

NM_022779

Insert Size:

3140 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).

OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a good match to the protein associated to this reference except for one 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_022779.7 , NP_073616.6
RefSeq Size:	3285 bp
RefSeq ORF:	2556 bp
Locus ID:	64794
UniProt ID:	Q9H8H2
Cytogenetics:	9q34.13
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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The function of this member has not been determined. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (1) encodes the longest 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>