

Product datasheet for **SC113075**

DDX24 (NM_020414) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX24 (NM_020414) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC113075 sequence for NM_020414 edited (data generated by NextGen Sequencing)

ATGAAGTTGAAGGACACAAAATCAAGGCCAAAGCAGTCAAGCTGTGGCAAATTTTCAGACA
 AAGGGAATCAAAGTTGTGGGAAAATGGAAGGAAGTGAAGATTGACCCAAATATGTTTGCA
 GATGGACAGATGGATGACTTGGTGTGCTTTGAGGAATTGACAGATTACCAGTTGGTCTCC
 CCTGCCAAGAATCCCTCCAGTCTCTTCTCAAAGGAAGCACCCAAGAGAAAAGGCACAAGCT
 GTTTCAGAAAGAAGAGGAGGAGGAGGAGGAAAGTCTAGCTCACCAGAAAAGATCAAG
 TTGAAGAAAAGTAAAAATGTAGCAACTGAAGGAACCAAGTACCCAGAAAAGATTTGAAGTG
 AAAGATCCTGAGCTGGAGGCCAGGGAGATGACATGGTTTGTGATGATCCGGAGGCTGGG
 GAGATGACATCAGAAAACCTGGTCCAACTGCTCCAAAAAGAAGAAAAATAAGGGAAA
 AAAGGGTTGGAGCCTTCTCAGAGCACTGCTGCCAAGGTGCCAAAAAGCGAAGACATGG
 ATTCTGAAGTTCATGATCAGAAAGCAGATGTGTCAGCTTGAAGGACCTGTTTGTTCCTC
 AGGCCGGTTCTCCGAGCACTCAGCTTTCTAGGCTTCTCTGACCCACACCAATCCAAGCC
 CTGACCTTGGCACCTGCCATCCGTGACAACTGGACATCCTTGGGGCTGCTGAGACAGGA
 AGTGGGAAAACCTTGCCTTTGCCATCCCAATGATTGATGCGGTGTTGAGTGGCAGAAG
 AGGAATGCTGCCCTCCTCCAAGTAACACCGAAGCACCACCTGGAGAGACCAGAAGTGAAG
 GCCGGAGCTGAGACTAGATCACCAGGCAAGGCTGAAGCTGAGTCTGATGCATTGCCTGAC
 GATACTGTAATTGAGAGTGAAGCACTGCCAGTGATATTGACGCCGAGGCCAGAGCCAAG
 ACTGGAGGCACTGTCTCAGACCAGGCGTTGCTCTTTGGTGACGATGATGCTGGTGAAGGG
 CCTTCTTCCCTGATCAGGGAGAAACCTGTTCCCAACAGAATGAGAATGAGGAGGAAAAT
 CTTGATAAAGAGCAGACTGGAATCTAAACAGGAGTTGGATGACAAAAGCGCCACCTGT
 AAGGCATATCCAAAGCGTCTCTGCTTGGACTGGTTCTGACTCCCACTCGAGAGCTGGCC
 GTCCAGGTCAAACAGCACATTGATGCTGTGGCCAGGTTTACAGGAATTAAGAACTGCTATT
 TTGGTTGGTGAATGTCCACGCAGAAACAGCAGAGGATGCTGAACCGTCGTCCTGAGATT
 GTGGTTGCTACTCCAGGCCGGCTGTGGGAATTAATTAAGAAAAGCATTATCATTGAGG
 AACCTTCGGCAGCTCAGGTGCCTGGTAGTGGATGAGGCTGACCGGATGGTTGAGAAAGGC
 CATTTTGTGAGCTCTCAGAGTCTAGAGATGCTCAATGACTCCCAATACAACCCAAAG
 AGACAAACGCTTGTCTTCTGCCCACTCACCCTGGTGCATCAGGCTCCTGCTCGAATC
 CTTCATAAGAAGCACACCAAGAAAATGGATAAAACAGCCAACTTGACCTCCTTATGCAG
 AAAATTGGCATGAGGGGCAAGCCCAAGGTCATTGACCTCACAAGGAATGAGGCCACGGTG
 GAGACGCTAACAGAGACCAAGATCCATTGTGAGACTGATGAGAAAGACTTCTACTTGTAC
 TACTTCCTGATGAGATCCAGGCCGCAGCTTAGTGTTTGCCAACAGTATCTCCTGCATC
 AAACGCCTCTCTGGGCTCCTCAAAGTCCTTGATATCATGCCCTTGACCCTGCATGCCTGT
 ATGCACCAGAAGCAGAGGCTCAGAAACCTGGAGCAGTTTGCCCGTCTGGAAGACTGTGTT
 CTCTTGGCAACAGATGTGGCAGCTCGGGGTCTGGATATTCCTAAAGTCCAGCATGTCATC
 CATTACCAGGTCCACGTACCTCGGAGATTTATGTCCACCGAAGTGGTCGAACTGCTCGA
 GCTACCAATGAAGGCCTCAGTCTGATGCTCATTGGGCTGAGGATGTGATCAACTTTAAG
 AAGATTTACAAAACGCTCAAGAAAGATGAGGATATCCCACTGTTCCCGTGCAGACAAAA
 TACATGGATGTGGTCAAGGAGCGAATCCGTTTAGCTCGACAGATTGAGAAATCTGAGTAT
 CGGAACCTCCAGGCTTGCTGCACAACTTTGGATTGAGCAGGCAGCAGCTGCCCTGGAG
 ATTGAGCTGGAAGAAGACATGTATAAGGGAGGAAAAGCTGACCAGCAAGAAGAAGCTCGG
 AGACAAAAGCAGATGAAGGTTCTGAAGAAGGAGCTGCGCCACCTGCTGTCCAGCCACTG
 TTTACGGAGAGCCAGAAAACCAAGTATCCCACTCAGTCTGGCAAGCCGCCCTGCTTGTG
 TCTGCCCAAGTAAGAGCGAGTCTGCTTTGAGCTGTCTCTCAAGCAGAAGAAGAAGAAG
 ACAAAGAAGCCGAAGGAGCCACAGCCGAACAGCCACAGCCAAGTACAAGTGCAAATTAA

Clone variation with respect to NM_020414.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020414 unedited
 GTTANCATTTGTATACGACTCATATAGGCGGCCGCAATTTCGCACGAGGGCGGTTTCTG
 AGGTTCTTCACTCGCGACTGACGGAGCTGCGGTAGCGTCTCCACACGCAACCATGAAGTT
 GAAGGACACAAAATCAAGGCCAAAGCAGTCAAGCTGTGGCAAATTTAGACAAAGGGAAT
 CAAAGTTGTGGGAAAATGGAAGGAAGTGAAGATTGACCCAAATATGTTTGAGATGGACA
 GATGGATGACTTGGTGTGCTTTGAGGAATTGACAGATTACCAAGTTGGTCTTCCCTGCCA
 AGAATCCCTCCAGTCTCTTCTCAAAGGAAGCACCAAGAGAAAGGCACAAGCTGTTTCAG
 AAGAAGAGGAGGAGGAGGAGGAGGAAAGTCTAGCTACCAAAGAAAAAGATCAAGTTGAAGA
 AAAGTAAAAATGTAGCAACTGAAGGAACCAAGTACCCAGAAAGAATTTGAAGTGAAGATC
 CTGAGCTGGAGGCCAGGGAGATGACATGGTTTGTGATGATCCGGAGGCTGGGGAGATGA
 CATCAGAAAACCTGGTCCAACTGCTCCAAAAAGAAGAAAAATAAAGGGAAAAAGGGT
 TGGAGCCTTCTCAGAGCACTGCTGCCAAGGTGCCAAAAAGCGAAGACATGGATTCTG
 AAGTTCATGATCAGAAAGCAGATGTGTCAGCTTGAAGGACCTGTTTGTCCAGGCCGG
 TTCTCCGAGCACTCAGCTTTCTAGGCTTCTCTGCACCCACACCAATCCAAGCCCTGACCT
 TTGCACCTGCCATCCGTGACAACTGGACATCCTTGNNGCTGCTGAGACAGGAAAGTGA
 AACTCTTGCCCTTTGCCATCCCATGATCATGCTGTGTTGCAGTGGCAGAAGAGAATGCTGC
 CCTCCTNCAAGTACACCGAGCACN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020414 unedited
 ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTGACCTTGTTTTTAAT
 TTATGAAATCAAGTTTAAACACACAAGAAGCCTATAAACACTGCAATACAGAAAAATTAAG
 CTGCTGCATTGAATTCTTACTCCAAAACAATGCAATCTGCATGAGGTCTCTCCCGCTAT
 GGGTGTGAGTGAAGAGAGGGGAGACTTTTTTACCTGGGGTTGGTGGTGGAGTGAACACA
 AGGGTGGGAGAGGTTTTGCAATAGCCAGAGAACAGAAACCAATGTGCAGTCACTGACAC
 ACTTGACCAGGGCAGTTAATTTGCACTTGTACTTGGCTGTGGCTGTTCCGGCTGTGGCTC
 CTTCCGGCTTCTTTGTCTTCTTCTTCTGCTTGGAGAGACAGCTCAAAGCAGACTCGCT
 CTTACTTGGGGCAGACACAAGCAGGGGCGGCTTGCCAGACTGAGTGGGATACTTGGTTTT
 CTGGCTCTCCGTAAACAGTGGCTGGGACAGCAGGTGGCGCAGCTCCTTCTCAGAACCTT
 CATCTGCTTTTGTCTCCGACGTTCTTCTTGTCTGGTCAGCTTTTCTCCCTATACATGTC
 TTCTTCCAGCTCAATCTCCAGGGCAGCTGCTGCCTGCTCAATCCAAGAGTTGTGCAGGCA
 AGCCTGGAAGTTCCGATACTCAGATTTCTCAATCTGTCGAGCTAAACGGATCCGCTCCTT
 GACCCATNCATGTATTTTGTCTGCACGGGAACAGTGGGATATCCTCATCTTTCTTGAGCC
 GTTTGTAAATCTTTCTTAAGTTGATCACATCCCTCAGCCCATGAGCATCAGACTGAGGC
 CCTCATGGTTAGCTCGAGCAGTTCGACCACTTCGTTGGACATAAACTTCCGAGTACGTGG
 GAACC

Restriction Sites:

NotI-NotI

ACCN:

NM_020414

Insert Size:

2930 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:	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:	<u>NM_020414.3, NP_065147.1</u>
RefSeq Size:	2967 bp
RefSeq ORF:	2580 bp
Locus ID:	57062
UniProt ID:	<u>Q9GZR7</u>
Cytogenetics:	14q32.12
Domains:	DEAD, helicase_C
Gene Summary:	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 shows little similarity to any of the other known human DEAD box proteins, but shows a high similarity to mouse Ddx24 at the amino acid level. [provided by RefSeq, Jul 2008]