

Product datasheet for **SC117041**

DDX1 (NM_004939) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX1 (NM_004939) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX1
Synonyms:	DBP-RB; UKVH5d
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 SC117041 sequence for NM_004939 edited (data generated by NextGen Sequencing)

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ATGGCGCCTTCTCCGAGATGGGTGTAATGCCTGAGATTGCACAAGCTGTGGAAGAGATG
GATTGGCTCCTCCCAACTGATATCCAGGCTGAATCTATCCCATTGATCTTAGGAGGAGGT
GATGTACTTATGGCTGCAGAAACAGGAAGTGGCAAACTGGTGTCTTTAGTATCCAGTT
ATCCAGATAGTTTATGAACTCTGAAAGACCAACAGGAAGGCAAAAAGGAAAAACAACA
ATTAAACTGGTCTTCAGTGTGAACAAATGGCAGATGAACCCATATGACAGAGGATCT
GCTTTTGAATTGGGTCAGATGGTCTTTGTTGTCAAAGCAGAGAAGTAAAGGAATGGCAT
GGGTGTAGAGCTACTAAAGGATTAATGAAAGGGAAACACTACTATGAAGTATCCTGTCAT
GACCAAGGGTTATGCAGGGTCGGGTGGTCTACCATGCAGGCCTCTTTGGACCTAGGTACT
GACAAGTTTGGATTTGGCTTTGGTGGAACAGGAAAGAAATCCCATAACAAACAATTTGAT
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GAGGCGCAGACATCTTCTGCATCTTGGCTACCTTCTAACAGCTGTTCAGAACCTTC
TGA
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Clone variation with respect to NM_004939.1
912 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004939 unedited
 ATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGGCGCCGCCACTGCCGCGCCG
 TGTCACTCGGGAGGGAGGGAGCGAGCAGGCGAAGCCGCGGAGGACGGGGTGAAGATGGCG
 GCCTTCTCCGAGATGGGTGTAATGCCTGAGATTGCACAAGCTGTGGAAGAGATGGATTGG
 CTCCTCCCAACTGATATCCAGGCTGAATCTATCCCATTGATCTTAGGAGGAGGTGATGTA
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 ATAGTTTATGAAACTCTGAAAGACCAACAGGAAGGCAAAAAGGAAAAACAACAATTA
 ACTGGTGCTTCAGTGCTGAACAAATGGCAGATGAACCCATATGACAGAGGATCTGCTTTT
 GCAATTGGGTGAGATGGTCTTTGTTGTCAAAGCAGAGAAGTAAAGGAATGGCATGGGTGT
 AGAGCTACTAAAGGATTAATGAAAGGGAAACACTACTATGAAGTATCCTGTGATGACCAA
 GGGTTATGCAGGGTGGGTGGTCTACCATGCANGCCTCTNTGGACCTANGTACTGACNNA
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 GTCAGTTCTCCAAAAATGGAAAAGATCTTGGTCTGGCATTGANATAACCACCACATAT
 GAAAAACCCAGCCCTCTTTCTGCCTGTGTTTTGAAGAATGCTGAACTGAATTTAACT
 NCGGTGAANAAGGAATTTAAGTTTNCACAAAAGATGGCTTNGNTGCTCTTTTCCAGCAC
 CGTATGTTACATGTCAATCCACACTCAGGTATGCACAGTGACCCAACAAGTTTCTCCC
 ATGCTCGAGCTCTATGNTGGACTTCCGGNAGTACTGACAACTTGATACTCAGCAGTAGA
 ATC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004939 unedited
 TATGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTATAGTCATCAA
 ATTTATTTTCATTGGGATGCCATTTTTTGAAGAATTCCTAAGACTAATGTTTCTTGACAT
 GCAAGAGTTAGCATTAAATAGCTTACGTTACTATAAATACTGCTGCTTGAAGCAGTACAA
 CTGTTTTAGAGTTTTAAGACTACAGACTTTCATTACTCAAATCTTATTCAGCAAATGTAA
 AAATCAGAAGGTTCTGAACAGCTGGTAGGAAGGTAGCCAAGATGCAGGAAAGATGTCTG
 CGCCTCCTTTTCAAGGGCAGCCAACCTCTGAACAGTAGGTGCCAAAATATCCACATGGCC
 TTTATAGCTTCCACCACCAGCAGCCCTTTCTGACCGTAGGTAACCTTCCCATCAAATTC
 ATCCACTGGTACCTTTATATCCGGCTCAACCTGAGAAATGGTACAGTTCAGGTGTTCTTC
 TATCTCAGATAGTAACCTGCATCTGTTGTACCATATGGTACAGCCTCCATCTTCTTCTGAG
 TCTTGTGTTATAACACCCTTTTCCACGGCTGCTACATACATGGTACCAAACCTTTTCTTT
 TTCTGTTGCCACCAGGAAATTGCCAGACCCATCCTTTTCTGCTCTTCTACTCTGCCAAT
 TCGATGTACGTAGTTNTGCTTTTCATCGCTAGAGTGACATTTATAACATAAGGGACACC
 CGGGGATATCAATTCCTCTAGCAGCTACATCTGTGCAAAATCAAGAAATCTACATCTCCTA
 CTTTTAATCTTCCCAAGTTTGGCTTTCTCTCATGAGGCTTTCTGTACCATGAAGACAACA
 CTGAGAAGTGTCTTTTTATCAGGCCTCTCCTTGTGATCAAGACTGCTCCAGTTATACA
 TCATTTTGTCTACAGAGATAATGTTGACCATTTAGTCCTTGATGCCGGAGCTACTCCCTT
 TAGATTTAATGCTTAACCC

Restriction Sites:

NotI-NotI

ACCN:

NM_004939

Insert Size:

2500 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_004939.1 , NP_004930.1
RefSeq Size:	2706 bp
RefSeq ORF:	2223 bp
Locus ID:	1653
UniProt ID:	Q92499
Cytogenetics:	2p24.3
Domains:	DEAD, helicase_C, SPRY
Protein Families:	Druggable Genome
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 of unknown function. It shows high transcription levels in 2 retinoblastoma cell lines and in tissues of neuroectodermal origin. [provided by RefSeq, Jul 2008]