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Product datasheet for SC115611

DDX19B (NM_007242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX19B (NM_007242) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX19B
Synonyms:	DBP5; DDX19; RNAh
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC115611 sequence for NM_007242 edited (data generated by NextGen Sequencing)

ATGGCCACTGACTCATGGGCCCTGGCGGTGGACGAGCAGGAAGCTGCGGCTGAGTCGTTG
AGCAACTTGCATCTTAAGGAAGAGAAAATCAAACCAGATACCAATGGTGCTGTTGTCAAG
ACCAATGCCAATGCAGAGAAGACAGATGAAGAAGAGAAAGAGGACAGAGCTGCCCAGTCC
TTACTCAACAAGCTGATCAGAAGCAACCTTGTTGATAACACAAACCAAGTGGAAGTCCTG
CAGCGGGATCCAAACTCCCCTCTGTACTCGGTGAAGTCTTTTGAAGAGCTTCGGCTGAAA
CCACAGCTTCTCCAAGGAGTCTATGCCATGGGTTTCAATCGTCCATCCAAGATACAAGAG
AACGCATTGCCACTGATGCTTGCTGAGCCCCCACAGAACTTAATTGCCCAATCTCAGTCT
GGTACTGGTAAAACAGCTGCCTTCGTGCTGGCCATGCTTAGCCAAGTAGAACCTGCAAAC
AAATACCCCCAGTGTCTATGTCTCTCCCCAACGTATGAGCTCGCCCTCCAAACAGGAAAA
GTGATTGAACAAATGGGCAAATTTTACCCTGAACTGAAGCTAGCTTATGCTGTTCGAGGC
AATAAATTGGAAAGAGGCCAGAAGATCAGTGAGCAGATTGTCATTGGCACCCCTGGGACT
GTGCTGGACTGGTGCTCCAAGCTCAAGTTCATTGATCCCAAGAAAATCAAGGTGTTTGTT
CTGGATGAGGCTGATGTCATGATAGCCACTCAGGGCCACCAAGATCAGAGCATCCGCATC
CAGAGGATGCTGCCCAGGAACTGCCAGATGCTGCTTTTCTCCGCCACCTTTGAAGACTCT
GTGTGGAAGTTTGCCCAGAAAGTGGTCCCAGACCCAAACGTTATCAAACTGAAGCGTGAG
GAAGAGACCCTGGACACCATCAAGCAGTACTATGTCCTGTGCAGCAGCAGAGACGAGAAG
TTCCAGGCCTTGTGTAACCTCTACGGGGCCATCACCATTGCTCAAGCCACGATCTTCTGC
CATACTCGCAAAACAGCTAGTTGGCTGGCAGCAGAGCTCTCAAAAGAAGGCCACCAGGTG
GCTCTGCTGAGTGGGGAGATGATGGTGGAACAGAGGGCTGCAGTGATTGAGCGCTTCCGA
GAGGGCAAAGAGAAGGTTTTGGTGACCACCAACGTGTGTGCCCGCGGCATTGATGTTGAA
CAAGTGTCTGTCGTCATCAACTTTGATCTTCCCGTGGACAAGGACGGGAATCCTGACAAT
GAGACCTACCTGCACCGGATCGGGCGCACGGGCCGCTTTGGCAAGAGGGGCCTGGCAGTG
AACATGGTGGACAGCAAGCACAGCATGAACATCCTGAACAGAATCCAGGAGCATTTTAAT
AAGAAGATAGAAAGATTGGACACAGATGATTTGGACGAGATTGAGAAAATAGCCAACTGA

Clone variation with respect to NM_007242.4
1010 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007242 unedited

AATTCAGATTTGTATCCGATTCATATAGGCGGCCGCGCAATTCGCACGAGGCAGAGCCTG
CCGCGAACCCCCGGNACCCACGATCCCTCGTGCCATCCCTCGAATCCACCAGCACGAGCG
TCCCACCCGCGCCTGGGACCATGGCCACTGACTCATGGGCCCTGGCGGTGGACGAGCAGG
AAGCTGCGGCTGAGTCGTTGAGCAACTTGCATCTTAAGGAAGAGAAAATCAAACCAGATA
CCAATGGTGCTGTTGTCAAGACCAATGCCAATGCAGAGAAGACAGATGAAGAAGAGAAAG
AGGACAGAGCTGCCCAGTCCTTACTCAACAAGCTGATCAGAAGCAACCTTGTTGATAACA
CAAACCAAGTGGAAGTCCTGCAGCGGGATCCAAACTCCCCTCTGTACTCGGTGAAGTCTT
TTGAAGAGCTTCGGCTGAAACCACAGCTTCTCCAAGGAGTCTATGCCATGGGTTTCAATC
GTCCATCCAAGATACAAGAGAACGCATTGCCACTGATGCTTGCTGAGCCCCCACAGAACT
TAATTGCCCAATCTCAGTCTGGTACTGGTAAAACAGCTGCCTTCGTGCTGGCCATGCTTA
GCCAAGTAGAACCTGCAAACAAATACCCCCAGTGTCTATGTCTCTCCTCAACGTATGAGC
TCGCTCTCCAAACAGGAAAAGTGATTGAACAAATGGGCAAATTTTACCCTGAACTGAGGC
TAGCTTATGCTTGTTCGAGCAATAAATTGGAAAGAGTCCCTAGATCAGTGAGCCAAATGT
CAATTGCCACCCCTGGGACTGTGCTGGACTGTTGCTCCCAGCTTAAGGTTCATTGATTCC
CACAAAAATCAAGGGGTTTGTTTTTTGGAGAAGGCTGAGGTCATGAATAGCCCCTCAGGG
CCCTCCAAGATCAAAGCATCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007242 unedited
TCCAGGCCCGGTAAAGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTCAGG
AAACAGCTATGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCCAAAA
GGTAAATCTCTGTGTATTCATGCCTAATCTTCCAAGGTTGTGTAAATAATTTTTTTCTAC
CATCCCCCATCATTTGCATACATTTTTGTCAAGTCCAAACATAATTTGAAGTGAGGTAGG
TAGTTTCTCTCTACTTGTGCCGTTGTCCTTGGGGTGATGTCGGGGCCTGTGCCCTGAACG
CACTTGTCTCCTGTGCAGGGGCAGTGCCAGGGCTGGCATCAGTGGCTGGTGGAGCTTCTC
AGTTGGCTATTTTCTCAATCTCGTCCAAATCATCTGTGTCCAATCTTTCTATCTTCTTAT
TAAAAGGCTCCTGGATTCTGTTCAGGATGTTCATGCTGTGCTTGCTGTCCACCATGTTCA
CTGCCAGGCCCCTCTTGCCAAAGCGGCCCGTGCGCCCGATCCGGTGCAGGTAGGTCTCAT
TGTCAGGATTCCCGTCCTTGTCCACGGGAAGATCAAAGTTGATGACGACAGACACTTGTT
CAACATCAATGCCGCGGGCACACACGTNTGGTGGTCACCAAAACCTTCTCTTTGCCCTCT
CGGAGCGCTCAATCACTGCAGCCCTCTGTTCCACCATCATCTCCCCACTCAGCAGAGCCA
CCTGGTGGCCTTCTTTTGAGAGCTCTGCTGCCAGCCAACTANCTGTTTTGCGAGTATGGC
AAAANAATCGTGNCTTGAGCATGGGTGAATGCCCCCGNTAAAGGTTACACAAGGCCTGNA
ACTTCTCGTCTCTGCTGCTGACAAGAACATATACTGGTNGTGAAGGGGGCCCAAGGGTCC
CTCCTCCACCTCAATTGAAACACCTGTTGGGGCCGGGACCACCTTTTTGGCCAACTTCCC
ACCAATTTTATAAGGGGGGGAAAAAACAACTTTGGCATTCCTGGCACCTCCTCGGAGCGG
AT

Restriction Sites: NotI-NotI

ACCN: NM_007242

Insert Size: 1770 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: NM_007242.4, NP_009173.1

RefSeq Size: 1831 bp

RefSeq ORF: 1440 bp

Locus ID: 11269

UniProt ID: Q9UMR2

Cytogenetics: 16q22.1

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 exhibits RNA-dependent ATPase and ATP-dependent RNA-unwinding activities. This protein is recruited to the cytoplasmic fibrils of the nuclear pore complex, where it participates in the export of mRNA from the nucleus. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longest isoform (1).