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Product datasheet for SC332514

DDX19B (NM_001257174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX19B (NM_001257174) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX19B
Synonyms:	DBP5; DDX19; RNAh
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332514 representing NM_001257174. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGGTTTCAATCGTCCATCCAAGATACAAGAGAACGCATTGCCACTGATGCTTGCTGAGCCCCCACAG AACTTAATTGCCCAATCTCAGTCTGGTACTGGTAAAACAGCTGCCTTCGTGCTGGCCATGCTTAGCCAA GTAGAACCTGCAAACAAATACCCCCAGTGTCTATGTCTCTCCCCAACGTATGAGCTCGCCCTCCAAACA GGAAAAGTGATTGAACAAATGGGCAAATTTTACCCTGAACTGAAGCTAGCTTATGCTGTTCGAGGCAAT AAATTGGAAAGAGGCCAGAAGATCAGTGAGCAGATTGTCATTGGCACCCCTGGGACTGTGCTGGACTGG TGCTCCAAGCTCAAGTTCATTGATCCCAAGAAAATCAAGGTGTTTGTTCTGGATGAGGCTGATGTCATG ATAGCCACTCAGGGCCACCAAGATCAGAGCATCCGCATCCAGAGGATGCTGCCCAGGAACTGCCAGATG CTGCTTTTCTCCGCCACCTTTGAAGACTCTGTGTGGAAGTTTGCCCAGAAAGTGGTCCCAGACCCAAAC GTTATCAAACTGAAGCGTGAGGAAGAGACCCTGGACACCATCAAGCAGTACTATGTCCTGTGCAGCAGC AGAGACGAGAAGTTCCAGGCCTTGTGTAACCTCTACGGGGCCATCACCATTGCTCAAGCCATGATCTTC TGCCATACTCGCAAAACAGCTAGTTGGCTGGCAGCAGAGCTCTCAAAAGAAGGCCACCAGGTGGCTCTG CTGAGTGGGGAGATGATGGTGGAACAGAGGGCTGCAGTGATTGAGCGCTTCCGAGAGGGCAAAGAGAAG GTTTTGGTGACCACCAACGTGTGTGCCCGCGGCATTGATGTTGAACAAGTGTCTGTCGTCATCAACTTT GATCTTCCCGTGGACAAGGACGGGAATCCTGACAATGAGACCTACCTGCACCGGATCGGGCGCACGGGC CGCTTTGGCAAGAGGGGCCTGGCAGTGAACATGGTGGACAGCAAGCACAGCATGAACATCCTGAACAGA ATCCAGGAGCATTTTAATAAGAAGATAGAAAGATTGGACACAGATGATTTGGACGAGATTGAGAAAATA GCCAACTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001257174
Insert Size:	1113 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).

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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_001257174.1
RefSeq Size:	1772 bp
RefSeq ORF:	1113 bp
Locus ID:	11269
UniProt ID:	Q9UMR2
Cytogenetics:	16q22.1
MW:	41.8 kDa
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 (6) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an downstream start codon, compared to variant 1. Variants 3, 5 and 6 encode the same protein.