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Product datasheet for SC111805

DDX47 (NM_016355) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX47 (NM_016355) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX47
Synonyms:	E4-DBP; HQ0256; MSTP162; RRP3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC111805 sequence for NM_016355 edited (data generated by NextGen Sequencing)

ATGGCGGCACCCGAGGAACACGATTCTCCGACCGAAGCGTCCCAGCCGATTGTGGAAGAG
GAGGAAACTAAAACATTTAAAGACCTGGGTGTGACAGATGTGTTGTGTGAAGCTTGTGAC
CAGTTGGGATGGACAAAACCCACCAAGATCCAGATTGAAGCTATTCCTTTGGCCTTACAA
GGTCGTGATATCATTGGGCTTGCAGAAACTGGCTCTGGAAAGACAGGCGCCTTTGCTTTG
CCCATTCTAAACGCACTGCTGGAGACCCCGCAGCGTTTGTTTGCCCTAGTTCTTACCCCG
ACTCGGGAGCTGGCCTTTCAGATCTCAGAGCAGTTTGAAGCCCTGGGGTCCTCTATTGGA
GTGCAGAGTGCTGTGATTGTAGGTGGAATTGATTCAATGTCTCAATCTTTGGCCCTTGCA
AAAAAACCACATATAATAATAGCAACTCCTGGTCGACTGATTGACCACTTGGAAAATACG
AAAGGTTTCAACTTGAGAGCTCTCAAATACTTGGTCATGGATGAAGCCGACCGAATACTG
AATATGGATTTTGAGACAGAGGTTGACAAGATCCTCAAAGTGATTCCTCGAGATCGGAAA
ACATTCCTCTTCTCTGCCACCATGACCAAGAAGGTTCAAAAACTTCAGCGAGCAGCTCTG
AAGAATCCTGTGAAATGTGCCGTTTCCTCTAAATACCAGACAGTTGAAAAATTACAGCAA
TATTATATTTTTATTCCCTCTAAATTCAAGGATACCTACCTGGTTTATATTCTAAATGAA
TTGGCTGGAAACTCCTTTATGATATTCTGCAGCACCTGTAATAATACCCAGAGAACAGCT
TTGCTACTGCGAAATCTTGGCTTCACTGCCATCCCCCTCCATGGACAAATGAGTCAGAGT
AAGCGCCTAGGATCCCTTAATAAGTTTAAGGCCAAGGCCCGTTCCATTCTTCTAGCAACT
GACGTTGCCAGCCGAGGTTTGGACATACCTCATGTAGATGTGGTTGTCAACTTTGACATT
CCTACCCATTCCAAGGATTACATCCATCGAGTAGGTCGAACAGCTAGAGCTGGGCGCTCC
GGAAAGGCTATTACTTTTGTCACACAGTATGATGTGGAACTCTTCCAGCGCATAGAACAC
TTAATTGGGAAGAAACTACCAGGTTTTCCAACACAGGATGATGAGGTTATGATGCTGACA
GAACGCGTCGCTGAAGCCCAAAGGTTTGCCCGAATGGAGTTAAGGGAGCATGGAGAAAAG
AAGAAACGCTCGCGAGAGGATGCTGGAGATAATGATGACACAGAGGGTGCTATTGGTGTC
AGGAACAAGGTGGCTGGAGGAAAAATGAAGAAGCGGAAAGGCCGTTAA

Clone variation with respect to NM_016355.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016355 unedited
TGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCACAAGATGGCGGCAC
CCGAGGAACACGATTCTCCGACCGAAGCGTCCCAGCCGATTGTGGAAGAGGAGGAAACTA
AAACATTTAAAGACCTGGGTGTGACAGATGTGTTGTGTGAAGCTTGTGACCAGTTGGGAT
GGACAAAACCCACCAAGATCCAGATTGAAGCTATTCCTTTGGCCTTACAAGGTCGTGATA
TCATTGGGCTTGCAGAAACTGGCTCTGGAAAGACAGGCGCCTTTGCTTTGCCCATTCTAA
ACGCACTGCTGGAGACCCCGCAGCGTTTGTTTGCCCTAGTTCTTACCCCGACTCGGGAGC
TGGCCTTTCAGATCTCAGAGCAGTTTGAAGCCCTGGGGTCCTCTATTGGAGTGCAGAGTG
CTGTGATTGTAGGTGGAATTGATTCAATGTCTCAATCTTTGGCCCTTGCAAAAAAACCAC
ATATAATAATAGCAACTCCTGGTCGACTGATTGACCACTTGGAAAATACGAAAGGTTTCA
ACTTGAGAGCTCTCAAATACTTGGTCATGGATGAAGCCGACCGAATACTGAATATGGATT
TTGAGACAGAGGTTGACAAGATCCTCAAAGTGATTCCTCGAGATCGGAAAACATTCCTCT
TCTCTGCCACCATGACCAAGAAGGTTCAAAAACTTCAGCGAGCAGCTCTGAAGAATCCTG
TGAAATGTGCCGTTTCCTCTAAATACCAGACAGTTGAAAAATTACAGNCATATTATATTT
TTATTCCCTCTAAATTCAAGATACCTACCTGGTTATATTCTAATGAATTGCTGGAACTCT
TTTGATATCTGCACACCTGTAATATACCAGAGACACNTTGCTCTGCGAATCTGGCTTACT
GC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016355 unedited
TAGCTCATGTATCGCGGTCCGTTATCCCACCATCCCCGCCCTCTCTTTTTTTTTTTTTTT
TTAAAAATAATACTCAAATTTATTGTTCCACATTACTTTGAATAAAGCACAAGCCAAGAT
GGTTTAAATATCATTTGCAGATGTCCAAGCTTCTTTACAATTACAGGTCATGGGCATCAT
CAACCTAGTCCTTGACTTGCAGCTAAAAAAGGCAAAAGGTCTGCGTGAAGCGACAGAAGA
GCACACCCTACTCATGTCATGAGCAAGGAATCAAAGTCGAATAACAGTAACAGTCTTGAC
ATCAGCACTGTAAGAATTACTCCTGCAGTAACACTCACCCCACAACGGCGAAGAATACTG
AATTAGCTGAGCACATTCTGGACACAATTCTCACCAATTTCAGTTTCACGATTTTTGTTG
GACCAGGTTTCATTCTCCAATTCTCTTTTACAGACCCGCATAACCCGACGTCTTCATAAA
AGTGATTAACGGCCTTTCCGCTTCTTCATTTTTCCTCCACCCCCCTTGTTCCTGACCCCA
ACAGCCCCCTCCGCGCGACCATTATCTCCAGCATCCTTTCCCGACAGCCCCCCCCTTCCT
CCATGCTCACTTCACTACACCCGTACAAACCTTTGTGTTTATTGAAGCCCCCCGCCACCT
CCCCACCTCATCATCCCGGGTTCCCACACCCGGCAATTTCTTCCCAATTAATTGTTTTAC
CCCGCCGAAATAGATCACCCTCACCCTCCCCGAACAAAGTCTTAGCTTTTTTTGGAGCCG
CCAAATTTTAATTGTTTGACCCACTCCACCGCCCCCCCCCCTTGCCATTGCCTACCGATC
GTTCACCCATGAAAAATACATTCCCACCCGCCGTTTGTTCATACCACTCCGCTCGCCACG
CCACCTCGCTACGCCAACGTATCCGCCCCCCGCCCCCACCCTCCAATAGATCCCACGGCC
CCCCCCCACCCCTCCG

Restriction Sites: NotI-NotI

ACCN: NM_016355

Insert Size: 1830 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_016355.3, NP_057439.2
RefSeq Size:	1836 bp
RefSeq ORF:	1368 bp
Locus ID:	51202
UniProt ID:	Q9H0S4
Cytogenetics:	12p13.1
Domains:	DEAD, helicase_C
Gene Summary:	This gene encodes a member of the DEAD box protein family. 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. The protein encoded by this gene can shuttle between the nucleus and the cytoplasm, and has an RNA-independent ATPase activity. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).