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Product datasheet for SC323806

DDX41 (NM_016222) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX41 (NM_016222) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX41
Synonyms:	ABS; MPLPF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_016222.2
CGCGCATGCGTGCAGCAAAGAATGGAGGAGTCGGAACCCGAACGGAAGCGGGCTCGCACC
GACGAGGTGCCTGCCGGAGGAAGCCGCTCCGAGGCGGAAGATGAGGACGACGAGGACTAC
GTGCCCTATGTGCCGTTACGGCAGCGCCGGCAGCTACTGCTCCAGAAGCTGCTGCAGCGA
AGACGCAAGGGAGCTGCGGAGGAAGAGCAGCAGGACAGCGGTAGTGAACCCCGGGGAGAT
GAGGACGACATCCCGCTAGGCCCTCAGTCCAACGTCAGCCTCCTGGATCAGCACCAGCAC
CTTAAAGAGAAGGCTGAAGCGCGCAAAGAGTCTGCCAAGGAGAAGCAGCTGAAGGAAGAA
GAGAAGATCCTGGAGAGTGTTGCCGAGGGCCGAGCATTGATGTCAGTGAAGGAGATGGCT
AAGGGCATTACGTATGATGACCCCATCAAAACCAGCTGGACTCCACCCCGTTATGTTCTG
AGCATGTCTGAAGAGCGACATGAGCGCGTGCGGAAGAAATACCACATCCTGGTGGAGGGA
GACGGTATCCCACCACCCATCAAGAGCTTCAAGGAAATGAAGTTTCCTGCAGCCATCCTG
AGAGGCCTGAAGAAGAAAGGCATTCACCACCCAACACCCATTCAGATCCAGGGCATCCCC
ACCATTCTATCTGGCCGTGACATGATAGGCATCGCTTTCACGGGTTCAGGCAAGACACTG
GTGTTCACGTTGCCCGTCATCATGTTCTGCCTGGAACAAGAGAAGAGGTTACCCTTCTCA
AAGCGCGAGGGGCCCTATGGACTCATCATCTGCCCCTCGCGGGAGCTGGCCCGGCAGACC
CATGGCATCCTGGAGTACTACTGCCGCCTGCTGCAGGAGGACAGCTCACCACTCCTGCGC
TGCGCCCTCTGCATTGGGGGCATGTCCGTGAAAGAGCAGATGGAGACCATCCGACACGGT
GTACACATGATGGTGGCCACCCCGGGGCGCCTCATGGATTTGCTGCAGAAGAAGATGGTC
AGCCTAGACATCTGTCGCTACCTGGCCCTGGACGAGGCTGACCGCATGATCGACATGGGC
TTCGAGGGTGACATCCGTACCATCTTCTCCTACTTCAAGGGCCAGCGACAGACCCTGCTC
TTCAGTGCCACCATGCCGAAGAAGATTCAGAACTTTGCTAAGAGTGCCCTTGTAAAGCCT
GTGACCATCAATGTGGGGCGCGCTGGGGCTGCCAGCCTGGATGTCATCCAGGAGGTAGAA
TATGTGAAGGAGGAGGCCAAGATGGTGTACCTGCTCGAGTGCCTGCAGAAGACACCCCCG
CCTGTACTCATCTTTGCAGAGAAGAAGGCAGACGTGGACGCCATCCACGAGTACCTGCTG
CTCAAGGGGGTTGAGGCCGTAGCCATCCATGGGGGCAAAGACCAGGAGGAACGGACTAAG
GCCATCGAGGCATTCCGGGAGGGCAAGAAGGATGTCCTAGTAGCCACAGACGTTGCCTCC
AAGGGCCTGGACTTCCCTGCCATCCAGCACGTCATCAATTATGACATGCCAGAGGAGATT
GAGAACTATGTACACCGGATTGGCCGCACCGGGCGCTCGGGAAACACAGGCATCGCCACT
ACCTTCATCAACAAAGCGTGTGATGAGTCAGTGCTGATGGACCTCAAAGCGCTGCTGCTA
GAAGCCAAGCAGAAGGTGCCGCCCGTGCTGCAGGTGCTGCATTGCGGGGATGAGTCCATG
CTGGACATTGGAGGAGAGCGCGGCTGTGCCTTCTGCGGGGGCCTGGGTCATCGGATCACT
GACTGCCCCAAACTCGAGGCTATGCAGACCAAGCAGGTCAGCAACATCGGTCGCAAGGAC
TACCTGGCCCACAGCTCCATGGACTTCTGAGCCGACAGTCTTCCCTTCTCTCCAAGAGGC
CTCAGTCCCCAAGACTGCCACCAGTCTACACATACAGCAGCCCCCTGGACAGAATCAGCA
TTTCAGCTCAGCTGGCCTGGAATGGGCCAGGCTGGTCCTGGCTGCCTGTTCCCTGTGCTC
TTCAGAATTACTGTTTTTGTTTCCTTTTACCCCAGCTGCCATTAAAGCCCAAACCTCTAG
CCCAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_016222

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_016222.2, NP_057306.2
RefSeq Size:	2118 bp
RefSeq ORF:	1869 bp
Locus ID:	51428
UniProt ID:	Q9UJV9
Cytogenetics:	5q35.3
Domains:	DEAD, helicase_C, zf-CCHC
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 the DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a member of the DEAD box protein family and interacts with several spliceosomal proteins. In addition, the encoded protein may recognize the bacterial second messengers cyclic di-GMP and cyclic di-AMP, resulting in the induction of genes involved in the innate immune response. [provided by RefSeq, Jan 2017]