

DDX56 cDNA

Catalog Number: ATGD0497

PRODUCT INFORMATION

Catalog number

ATGD0497

Product type

cDNA

Species

Human

NCBI Accession No.

NP_061955.1

Alternative Names

DDX21, DDX26, NOH61

mRNA Refseq

NM_019082.3

OMIM

608023

Chromosome location

7p13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1644bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

DDX56 cDNA

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DDX56 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.

DATA

Sequence nucleotides

ATGGAGGACTCTGAAGCACTGGGCTTCGAACACATGGGCCTCGATCCCCGGCTCCTTCAGGCTGTCACCGATCTGGGCTGG
TCGCGACCTACGCTGATCCAGGAGAAGGCCATCCCACTGGCCCTAGAAGGGAAGGACCTCCTGGCTCGGGCCCGCACGGG
CTCCGGGAAGACGGCCGCTTATGCTATTCCGATGCTGCAGCTGTTGCTCCATAGGAAGGCGACAGGTCCGGTGGTAGAACA
GGCAGTGAGAGGCCTTGTCTTGTCTACCAAGGAGCTGGCACGGCAAGCACAGTCCATGATTCAGCAGCTGGCTACCTA
CTGTGCTCGGGATGTCCGAGTGGCCAATGTCTCAGCTGCTGAAGACTCAGTCTCTCAGAGAGCTGTGCTGATGGAGAAGCC
AGATGTGGTAGTAGGGACCCCATCTCGCATATTAAGCCACTTGCAGCAAGACAGCCTGAAACTTCGTGACTCCCTGGAGCTT
TTGGTGGTGGACGAAGCTGACCTTCTTTTTCTTTGGCTTTGAAGAAGAGCTCAAGAGTCTCCTCTGTCACTTGCCCCGGA
TTTACCAGGCTTTTCTCATGTGCTGCTACTTTTAACGAGGACGTACAAGCACTCAAGGAGCTGATATTACATAACCCGGTTACC
CTTAAGTTACAGGAGTCCAGCTGCCTGGGCCAGACCAGTTACAGCAGTTTCAGGTGGTCTGTGAGACTGAGGAAGACAAA
TTCCTCCTGCTGTATGCCCTGCTCAAGCTGTCATTGATTGGGGCAAGTCTCTGCTCTTTGTCAACACTCTAGAACGGAGTTA
CCGGCTACGCCTGTTCTTGGAACAGTTCAGCATCCCCACCTGTGTGCTCAATGGAGAGCTTCCACTGCGCTCCAGGTGCCA
CATCATCTCACAGTTCACCAAGGCTTCTACGACTGTGTGCTCATAGCAACTGATGCTGAAGTCTGGGGGCCCCAGTCAAGGG
CAAGCGTCGGGGCCGAGGGCCCAAAGGGGACAAGGCCTCTGATCCGGAAGCAGGTGTGGCCCCGGGGCATAGACTTCCAC
CATGTGTCTGCTGTGCTCAACTTTGATCTTCCCCCAACCCCTGAGGCCTACATCCATCGAGCTGGCAGGACAGCACGCGCTA
ACAACCCAGGCATAGTCTTAACCTTTGTGCTTCCACGGAGCAGTTCCACTTAGGCAAGATTGAGGAGCTTCTCAGTGGAGA
GAACAGGGGGCCCCATTCTGCTCCCCCTACCAGTTCGGGATGGAGGAGATCGAGGGCTTCCGCTATCGCTGCAGGGATGCCA
TGCGCTCAGTGACTAAGCAGGCCATTCCGGGAGGCAAGATTGAAGGAGATCAAGGAAGAGCTTCTGCATTCTGAGAAGCTTA
AGACATACTTTGAAGACAACCTTAGGGACCTCCAGCTGCTGCGGCATGACCTACCTTTGCACCCCGCAGTGGTGAAGCCCC
ACCTGGGCCATGTTCTGACTACCTGGTTCCTCCTGCTCTCCGTGGCCTGGTGCGCCCTCACAAGAAGCGGAAGAAGCTGT
CTTCCTCTTGTAGGAAGGCCAAGAGAGCAAAGTCCCAGAACCCACTGCGCAGCTTCAAGCACAAAGGAAAGAAATTCAGAC
CCACAGCCAAGCCCTCCTGA

Transaction Sequence

MEDSEALGFE HMGLDPRLLQ AVTDLGWSRP TLIQEKAIP L ALEGKDLLAR ARTGSGKTAAYAIPMLQLLL HRKATGPVVE
QAVRGLVLVP TKELARQAQS MIQQLATYCA RDVRVANVSA AEDSVSQRAV LMEKPDVVVG TPSRILSHLQ QDSLKLRLDSL
ELLVVDEADL LFSFGFEEELKSLLCHLPRI YQAF LMSATF NEDVQALKEL ILHNPVTLKL QESQLPGPDQ
LQQFQVVCETEEDKFLLLYA LLKLSLIRGK SLLFVNTLER SYRLRLFLEQ FSIPTCVLNG ELPLRSRCHIIISQFNQGFYD
CVIATDAEVL GAPVKGKRRG RGPKGDKASD PEAGVARGID FHHVSAVLNFDLPPTPEAYI HRAGRTARAN NPGIVLTFVL
PTEQFHLGKI EELLSGENRG PILLPYQFRMEEIEGFRYRC RDAMRSVTKQ AIREARLKEI KEELLHSEKL KTYFEDNPRD
LQLLRHDLPLHPAVVKPHLG HVPDYLPPA LRGLVRPHKK RKKLSSSCRK AKRAKSQNPL RSFKHKGKKFRPTAKPS