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Product datasheet for SC104313

DHX37 (NM_032656) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX37 (NM_032656) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHX37
Synonyms:	DDX37; Dhr1; NEDBAVC; SRXY11
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene sequence for NM_032656 edited GAATTCGGCACGAGGGGCGTCTCTAGCGTGGAGGTCCAGTGGATCCCGGCCCTGCTGCCC TCTTACTGCCAGTTTGACAAGCCCCTGGAGGAACCAGCCCCTACATACTGCCCCGAGCGG GGGCGGGTGCTGTGTCACCGGGCCAGCGTGTTCTATCGCGTGGGCTGGCCGCTCCCCGCC ATCGAGGTGGATTTTCCAGAGGGGATTGACCGCTACAAGCACTTTGCTCGGTTCCTGCTG GAAGGGCAGGTCTTCCGCAAGCTGGCCTCATACCAGAGCTGTCTGCTGTCCAGCCCCGGC ACCATGCTGAAGACGTGGGCCAGGCTGCAGCCCCGTACGGAGAGCCTTCTGCGAGCCCTG GTTGCAGAGAAGGCTGACTGCCATGAAGCCTTGCTGGCTGCTTGGAAGAAAAACCCCAAA TACCTGCTGGCTGAGTACTGTGAGTGGCTTCCACAGGCCATGCACCCCGATATCGAGAAA GCCTGGCCCCCCACCACTGTCCACTGACCAGAAACCTGGCTGCAGGGCCGAGGACTGGTT TGGGGACTGGAGGGCTGGCAGCAGCCTGTCACCGTGCGACCGTGACCACCTGGCATGGGC TTCGTGGCCTGCTCTCAGGAAGTGGGTCAAGCCCTGGGAACCCTCATCCATGAGAGCTCG ATCCCGTATGAAGGGTGCTGCCGCCCGTGCCATCTGGCCCGGGGGTGACTTTTTGAACTG TTTATTATATGGTGGATGATGATTTCATCTCACGTGCTGGACGCTGTTCTGTTCAGTGTG CTCTTTGGACTACATTAGTCCCCTGTGGAGCAGCAGGGCTGGAGATCTCTGCAGTCCCTT CCCCGCCCGCCCTGCCAGAAGGCCGAGGAGGCACGTGGAGGGCCTCCTTCCTGCAATTCT TCCCTCTCCAGAGTCAGGGAGGGCTGCCCAGCCCTGGCCTCACAGCCGTCCCAGATGTTA GGTGAGCCACTGAGCTCTGTGTTGACCTTGAGGGGCCTGGCTGGGGGCCCCCAGGCTCCA TGCCTTCTTGGGAGGGTGGCCGCCAACGCCTTTCCTGTGTTATGGCAACAGGGAGTGGGC ATCTCATCTGCCTGTGGTCAGCTCTCAGACGGCAGGGAGCGGAGCTGACGTTGGCTGTGC TTGGTCACCGCTGCCATGCCGCAGAGGATGCGCCTAGCTGGGCTGGGGCCACACGACTAT TATGTTGGCCTTGAACGGGGACTGCAGAGCCCTCAGTTTGTCTCCCTTGTTCCTCTGTGG CTGAGGTGGGAGGGGGAGGGTGGGGTAGGTCCCCCAGCAAGAAAGAGGGACAGGAGCACC CCAGGCAGGACCAAGGAGTCGGGAGGCCCCTGCCTTCTGTCCTCCATGGTGAGGGCACAG ATGTCTCCCCAGAGCCCAGCGCTGGCAGAATGGATTCTGCTCCTGGCTTTGCTTCTGCGG CTTCGGTGGAGACAGTTATGGAATAAAATGTTCCTTGCAAAAAAAAAAAAAAAAAAACTCG AC

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032656 unedited
GTCAGCTTTTGTATACGACTCCTATAGGGCGGCCGCGATTCGGCACGAGGGCGTCTCTAG
CGTGGAGGTCCAGTGGATCCCGGCCCTGCTGCCCTCTTACTGCCAGTTTGACAAGCCCCT
GGAGGAACCAGCCCCTACATACTGCCCCGAGCGGGGGCGGGTGCTGTGTCACCGGGCCAG
CGTGTTCTATCGCGTGGGCTGGCCGCTCCCCGCCATCGAGGTGGATTTTCCAGAGGGGAT
TGACCGCTACAAGCACTTTGCTCGGTTCCTGCTGGAAGGGCAGGTCTTCCGCAAGCTGGC
CTCATACCAGAGCTGTCTGCTGTCCAGCCCCGGCACCATGCTGAAGACGTGGGCCAGGCT
GCAGCCCCGTACGGAGAGCCTTCTGCGAGCCCTGGTTGCAGAGAAGGCTGACTGCCATGA
AGCCTTGCTGGCTGCTTGGAAGAAAAACCCCAAATACCTGCTGGCTGAGTACTGTGAGTG
GCTTCCACAGGCCATGCACCCCGATATCGAGAAAGCCTGGCCCCCCACCACTGTCCACTG
ACCAGAAACCTGGCTGCAGGGCCGAGGACTGGTTTGGGGACTGGAGGGCTGGCAGCAGCC
TGTCACCGTGCGACCGTGACCACCTGGCATGGGCTTCGTGGCCTGCTCTCANGAAGTGGG
TCAAGCCCTGGGAACCCTCATCCATGAGAGCTCGATCCCGTATGAAGGGTGCTGCCGCCC
GTGCCATCTGCCCCGGGGGTGACTNTNTGAACTGTTTTTATATGGTGGATGATGATTTCA
TCTCACGTGCGGNACGCTGTTCTGGTTCAGTGTGCTCTTTGGACTACATTAGTCCCCTGT
GGACAGCANGNNCTTGAATTNTTTTTGAAGTCCCTTTCCCGNCCGCCTGCCAAANGGCCN
AGAGCCCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032656 unedited
AACATAGGGNACCGTGGCCGCAATCTAGGANCGAGTTTTTTTCTTTTTTTTTTGCAAGGA
CATTTTATTCCATACTGTCTCCACCGAAGCCGCAGAAGCAAAGCCAGGAGCAGAATCCAT
TCTGCCAGCGCTGGGCTCTGGGGAGACATCTGTGCCCTCACCATGGAGGACAGAAGGCAG
GGGCCTCCCGACTCCTTGGTCCTGCCTGGGGTGCTCCTGTCCCTCTTTCTTGCTGGGGGA
CCTACCCCACCCTCCCCCTCCCACCTCAGCCACAGAGGAACAAGGGAGACAAACTGAGGG
CTCTGCAGTCCCCGTTCAAGGCCAACATAATAGTCGTGTGGCCCCAGCCCAGCTAGGCGC
ATCCTCTGCGGCATGGCAGCGGTGACCAAGCACAGCCAACGTCAGCTCCGCTCCCTGCCG
TCTGAGAGCTGACCACAGGCAGATGAGATGCCCACTCCCTGTTGCCATAACACAGGAAAG
GCGTTGGCGGCCACCCTCCCAAGAAGGCATGGAGCCTGGGGGCCCCCAGCCAGGCCCCTC
AAGGTCAACACAGAGCTCAGTGGCTCACCTAACATCTGGGACGGCTGTGAGGCCAGGGCT
GGGCAGCCCTCCCTGACTCTGGAGAGGGAAAAATTGCAGGAAAGAGGCCCTCCACGTGCC
TCCTCGGACTTTTGGCGGGCGGGCGGGGAAGGGACTGCANAGATCTCCACCCCTGCTGCT
CCACAGGGGACTAATGTAATGCCAAAGAGCACACTGGACAAGAACAGCCGTCCACCACGT
GAGAAGAAAATACTCTTCCACCATATATTAAAACAGTTCACAAAGTACCCTTCGGGCCCC
CATGGCACGGGCGGTAACACACCTTCATACGNGGACCGACCTCTCATGGATGAAGTTTTC
CAAGGCTTGACCCACTTCCTGAAAACAGCCCCCAACACCCTC

Restriction Sites: NotI-NotI

ACCN: NM_032656

Insert Size: 840 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

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_032656.2, NP_116045.2

RefSeq Size: 4563 bp

RefSeq ORF: 3474 bp

Locus ID: 57647

UniProt ID: Q8IY37

Cytogenetics: 12q24.31

Gene Summary: This gene encodes a DEAD box protein. 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. [provided by RefSeq, Jul 2008]