

## Product datasheet for SC117868

### DHX16 (NM\_003587) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | DHX16 (NM_003587) Human Untagged Clone  |
| Tag:                      | Tag Free  |
| Symbol:                   | DHX16   |
| Synonyms:                 | DBP2; DDX16; NMOAS; PRO2014; Prp2; PRP8; PRPF2  |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >OriGene ORF within SC117868 sequence for NM_003587 edited (data generated by NextGen Sequencing) |

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ATGGCGACGCCGGCTCTGGAGCGCTGGTTTCAGGACGAGCTGCACTCGGTGTTGGGG
CTGAGCGAGCGGCACGTGCCCCAGTTTCTGATCGGTACCGCACAGCGCTGCACCTTGCC
GAGGAGTTCGTGCAGCGCTACGAGACTGATACCTTGATCTCAGTGGCCCGGCCGG
GACTTCGCCCTGAGACTCTGGAACAAGTACCACGAAAGCAGTGGTAGAAAAGCCAGCT
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AAACGTAAAAGCGAAACACCTCAGGAAGAAGCGTGAGGAAGAAGAGGGAAGAGGCT
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CTTCTCCGGGAGTTCCTCTCTGAGCCTGACCTGGCGAGTTACAGCGTGGTGATGGTGGAT
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GAGCTCCTGGTGCCTGCCCCATTTATGCCAATCTGCCCTCTGACATGCAGGCCGTATCTTC
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CCACGCTGGCTGCTTACCACGAACTTGTCTTGACCACCAAGAGTTCATGAGACAGGTA
CTGGAGATTGAGAGCAGTTGGCTTCTGGAGGTGGCTCCCCATTATTATAAGGCCAAGGAG
CTAGAAGATCCCCATGCTAAGAAAATGCCCAAAAAATAGGCAAAACACGAGAAGAGCTA
GGGTAA
    
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Clone variation with respect to NM\_003587.4

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_003587 unedited
TTTGTAAACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGGGGAAGACAGCTTT
GGGATGTCGGAAGATCCTAGAGTCCCAAGGTAGCTGACTTGCAGAGCTGAGGCTCCAGC
CGAGGGCTCCAGGCTCTGACCGGCCAGCAGTGAGCGCGGCTGCCGACGCTTCAGGGC
CGGGAGCAGGGAGCGTGAGTCGCCATGGCGACGCCGGCGGGTCTGGAGCGCTGGGTTCA
GACGAGCTGCACTCGGTGTTGGGGCTGAGCGAGCGGCACGTGCCAGTTTCTGATCGGT
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TTGGATCTCAGTGGGCCGCCCCGGACTTCGCCCTGAGACTCTGGAACAAGGTACCACGA
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GAGGAAGAAGAGGAGGAAGAGGCTTCTGAGAAAGGGAAGAAGAAAACAGGGGGAGTAA
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CAGGACCTGGAGGAGCGTGATGCCTTTGCTGAGCGGGNTCGACAGCNGGACAGGNATCGG
ACTCGAAATGTCTGGAACGGTCAGAACAGAAGCTTATGAAAGAGCTCAGAAGCGCCTCAG
AATGGCCGAGAGAACC GGANGGCCATGGTCCNTGAGCTGCGGAGAAACTGCCCGAGAGAC
TGCTTAGCGGNACGAGAGAACTGAGACTGAGCCCGGT
    
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**Protein Pathways:** Spliceosome

**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 is a functional homolog of fission yeast Prp8 protein involved in cell cycle progression. This gene is mapped to the MHC region on chromosome 6p21.3, a region where many malignant, genetic and autoimmune disease genes are linked. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2018]  
Transcript Variant: This variant (1) encodes the longest isoform (1).