**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC304155

## DHX34 (NM_014681) Human Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | DHX34 (NM_014681) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | DHX34 |
| **Synonyms:** | DDX34; HRH1 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

>SC304155 representing NM_014681.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCTCCTCCTAGAACAAGGGAGGGCAGGGATCGCCGAGACCACCACCGGGCTCCCAGCGAGGAAGAG
GCCTTGGAGAAATGGGACTGGAATTGTCCAGAGACGCGTCGCCTCTTGGAAGATGCCTTCTTCCGTGAA
GAGGATTACATCCGTCAGGGTTCTGAGGAATGTCAGAAGTTTTGGACCTTCTTTGAACGCCTGCAGAGA
TTCCAGAATCTCAAGACCTCCAGGAAGGAGGAGAAAGACCCTGGACAGCCCAAGCACAGCATCCCAGCG
CTGGCCGACCTACCTCGCACTTACGACCCACGTTACCGCATCAACCTCTCTGTTCTTGGCCCTGCCACG
CGGGGCTCTCAGGGACTGGGCAGGCACTTGCCCGCGGAGAGAGTGGCTGAGTTCCGCCGAGCCCTGTTG
CACTACCTGGACTTTGGCCAGAAGCAGGCATTTGGGCGTCTGGCCAAGCTGCAGCGTGAGCGGGCAGCC
CTCCCCATCGCCCAGTATGGGAACCGCATCCTGCAGACGCTGAAGGAGCACCAGGTGGTGGTAGTGGCC
GGTGACACCGGCTGTGGCAAGTCCACTCAGGTGCCCCAGTACCTGCTGGCTGCTGGCTTCAGTCATGTG
GCGTGCACCCAGCCCCGGCGGATCGCCTGCATCTCACTGGCCAAGCGTGTGGGCTTTGAGAGCCTCAGT
CAGTATGGCTCACAGGTCGGCTACCAGATCCGCTTTGAGAGCACACGTTCGGCGGCCACCAAGATTGTA
TTCCTGACAGTGGGGCTGCTCCTGCGACAAATCCAGCGGGAACCCAGCCTGCCCCAGTATGAGGTCCTG
ATTGTGGATGAAGTCCATGAGCGGCATCTCCACAACGATTTCCTCCTGGGCGTCCTCCAGCGCCTGTTG
CCCACGCGGCCTGACCTCAAGGTCATCCTCATGTCGGCCACCATCAACATCTCGCTCTTCTCCAGCTAT
TTCAGCAATGCCCCTGTGGTACAGGTGCCTGGGAGGCTGTTCCCCATCACGGTTGTGTACCAGCCGCAG
GAGGCGGAGCCGACCACGTCCAAGTCAGAGAAGCTGGACCCGCGGCCTTTCCTGAGGGTGCTGGAGTCC
ATTGACCACAAGTACCCGCCTGAGGAGCGGGGTGACCTCCTCGTCTTCCTCAGCGGCATGGCGGAGATC
AGCGCCGTGCTGGAGGCTGCCCAGACCTATGCCAGCCACACCCAGCGCTGGGTGGTACTGCCACTGCAC
AGCGCCCTGTCTGTGGCCGACCAGGACAAGGTATTTGATGTGGCACCCCCTGGAGTCCGGAAATGCATC
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GTGAAGGAGATGAGCTACGATCCGCAGGCCAAGCTGCAACGGCTGCAGGAGTTCTGGATTAGTCAGGCC
AGCGCAGAGCAGCGGAAGGGCCGGGCGGGCCGCACGGGCCCCGGAGTCTGCTTCCGCCTCTATGCCGAA



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TCGGACTATGATGCCTTCGCCCCCTACCCCGTCCCAGAAATTCGGAGGGTGGCCCTGGACTCGTTGGTG
CTGCAGATGAAGAGCATGAGTGTGGGGGACCCCCGAACCTTCCCCTTCATCGAGCCCCCACCACCAGCC
AGCCTGGAAACCGCCATCCTCTACCTCCGGGACCAGGGGGCCCTGGACAGCTCAGAGGCCCTCACACCC
ATTGGGTCCCTGCTAGCCCAGCTGCCTGTGGACGTTGTGATTGGGAAGATGCTGATCCTGGGCTCCATG
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GCCCAGAGCAGCCCAGAGTGCGCGGCAGCACGGCGGCCGCTGGAGAGCGACCAGGGTGACCCCTTCACG
CTCTTCAACGTCTTCAACGCCTGGGTGCAGGTGAAATCTGAACGGAGCAGAAACTCTCGCAAGTGGTGC
CGCCGCCGGGGCATAGAGGAGCATCGACTGTACGAAATGGCCAACCTTCGGCGCCAGTTCAAGGAGCTG
TTGGAGGACCACGGGCTGCTGGCTGGGGCCCAGGCCGCGCAGGTAGGGGACAGCTACAGTCGGTTGCAG
CAGCGCCGGGAGCGCCGGGCCCTGCACCAGCTGAAACGCCAGCACGAGGAGGGCGCGGGGCGCAGGCGC
AAGGTGCTGCGGCTGCAGGAGGAGCAGGACGGCGGCTCCAGTGACGAGGACAGGGCTGGCCCAGCCCCC
CCAGGGGCCAGTGATGGCGTGGACATCCAGGATGTGAAGTTCAAGCTTCGGCATGACCTGGCGCAGCTG
CAGGCCGCTGCCAGCTCAGCCCAGGACCTGAGCCGCGAGCAGCTGGCTCTGCTGAAGCTGGTGCTGGGC
CGGGGCCTGTACCCACAGCTGGCCGTCCCCGACGCCTTCAACAGCAGCCGAAAGGACTCAGACCAGATT
TTCCACACGCAGGCCAAGCAGGGCGCCGTGCTGCACCCCACCTGCGTCTTCGCTGGCAGCCCCGAGGTG
CTGCACGCACAGGAGCTGGAGGCCAGCAACTGCGACGGAAGCCGAGACGACAAGGACAAGATGAGCAGC
AAACACCAGCTCCTCAGCTTCGTGTCCCTGCTGGAGACCAACAAGCCGTACCTGGTGAACTGCGTCCGC
ATCCCTGCCCTCCAGTCCCTCCTGCTTTTTAGCCGGTCTTTGGACACCAATGGTGACTGCTCCCGCCTG
GTGGCCGATGGCTGGCTGGAGCTGCAGCTAGCAGACAGTGAAAGTGCCATCCGACTCCTGGCGGCTTCC
CTGCGGCTCCGTGCCCGCTGGGAAAGTGCCCTGGACCGGCAGCTGGCGCACCAGGCCCAGCAGCAGCTG
GAGGAGGAGGAGGAGGATACGCCAGTCAGCCCCAAGGAGGTGGCCACCCTGAGCAAGGAACTCCTGCAA
TTCACGGCATCCAAGATTCCTTACAGCCTCCGGCGGCTCACAGGGCTAGAAGTCCAGAACATGTATGTG
GGACCCCAGACCATCCCAGCCACCCCCCATCTTCCTGGCCTCTTTGGCAGCTCCACCCTGTCCCCCCAC
CCCACAAAGGGGGGCTACGCAGTCACTGACTTCCTCACCTACAACTGCCTCACGAATGACACAGACCTG
TACAGCGACTGTCTCCGAACCTTCTGGACCTGCCCCCACTGTGGCCTGCATGCGCCCCTCACGCCCCTG
GAGCGCATCGCCCATGAGAACACCTGCCCCCAGGCCCCACAGGATGGGCCCCCAGGGGCTGAGGAAGCT
GCCCTCGAAACCCTCCAGAAGACATCTGTCCTGCAGAGGCCCTACCACTGCGAGGCCTGCGGGAAGGAC
TTCCTCTTTACACCCACAGAGGTGCTGCGCCACCGGAAGCAGCACGTGTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM_014681

**Insert Size:** 3432 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).

**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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_014681.5 |
| **RefSeq Size:** | 4390 bp |
| **RefSeq ORF:** | 3432 bp |
| **Locus ID:** | 9704 |
| **UniProt ID:** | Q14147 |
| **Cytogenetics:** | 19q13.32 |
| **MW:** | 128.1 kDa |
| **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 DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. It is mapped to the glioma 19q tumor suppressor region and is a tumor suppressor candidate gene. [provided by RefSeq, Jul 2008]<br>Transcript Variant: This variant (1) encodes the longer isoform (1). |