

## Product datasheet for **SC309164**

### DHX29 (NM\_019030) Human Untagged Clone

#### Product data:

|               |  |
|---------------|--|
| Product Type: | Expression Plasmids                    |
| Product Name: | DHX29 (NM_019030) Human Untagged Clone |
| Tag:          | Tag Free                               |
| Symbol:       | DHX29                                  |
| Synonyms:     | DDX29                                  |
| Vector:       | <u>pCMV6 series</u>                    |

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_019030, the custom clone sequence may differ by one or more nucleotides

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ATGGGCGCAAGAACAAGAAACAAGGCTCCAGCGGCCGCGGTGGTCCGGGCCGCGTG
TCTGCTCCAGAGCCAAATCTGCCGAGGCTGGAATTGCCGGGAGGCCAAAGCAAGAAG
CCAGTGTCCAGGCCGCCACCGCTGCCGCTGCCGCTCCAGGGAGCCCCGTGTC
AAGCAAGGTCCAAAAATTTATAGTTTTAATTCTACAAATGATTCTAGTGGTCTGCAAAT
CTGGATAAATCTATTTTGAAGTGGTAATTAATAACAACTAGAGCAAAGAATTATTGGA
GTGATCAATGAGCATAAAAAGCAAAATAATGACAAAGGAATGATTTCTGGAAGACTTACT
GCCAAAAAATTCAGGATTTATACATGGCTTTACAAGCATTTTCATTTAAGACAAAGGAC
ATTGAAGATGCCATGACCAATACACTCTTATATGGAGGTGACCTTCATTCTGCCTTGAT
TGGCTCTGTTTAAACCTTTCAGATGATGCACTTCTGAAGGATTCAAGTCAAGGAATTTGAA
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CCTCCATTGCAACCTAAAACAAAACATATGAAGAGGACCTAAGAGTAAGCCAAAAAAG
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CAAAGAGAAATGGAACTTTAGAAGACCATCCAGTATTTAACCCAGCCATGAAGATTTCA
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CCTCATGATGTAAGAAATTTTACTATACTGCTCGAAGTTGGACTGGAAAAATCTCCCAA
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GTCCTGGTAGTATGCCCTACAATCTTAACAGAAGATGGCATGCAAGCTCAGCACCTGGGA
GCTACTTTAGCCCTTTACCGTTTAGTTAAAGGGCAGTCAGTTCATCAGTACTTCTCTCC
ACTTACCAGAGATGTTGGCTGGAGTGGAGTGTGAGGAAAAGAAAAGGGAAGAATTAAT
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CAGCAGCAACAGCAGCAACAACAGCATTCTGAAAATAAGAGAGAAAAGTCTGAAGATCCC
GAGGAATCTTGGGAAAATTTAGTTTCGGATGAGGATTTTCTGCACTGTCCTTGGAAATCA
GCAAAATGTGGAAGATTTGGAACCTGTTAGAAACCTCTTTAGAAAGTTGCAAAGCACACCT
AAGTATCAGAACTTCTAAAGGAAAGACAACAGCTACCTGTATTTAAACATCGGGACTCA

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ATTGTTGAAACTCTTAAAAGGCATCGGGTAGTGGTTGTGGCAGGTGAAACAGGGAGTGGT
AAAAGTACTCAGGTACCACATTTTCTATTGGAAGATTTGCTTCTAAATGAGTGGGAAGCA
AGTAAATGTAACATTGTCTGTACCCAACCCGAAGAATCTCAGCAGTTAGTTTAGCCAAC
AGAGTATGTGATGAATTTGGGCTGTGAAAATGGACCTGGAGGAAGGAATTCCTTGTGTGA
TATCAGATCCGGATGGAATCTCGAGCTTGTGAATCTACCAGGTTACTCTATTGTACAACA
GGGTTTTTGTCTAAGGAACTTCAAGAAGATGGTCTTCTAAGTAATGTGTCTCATGTTATT
GTAGATGAGGTTTCATGAAAGAAGTGTCCAGTCAGACTTCTACTAATTATCTTGAAGGAA
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AAATTTTCTACATATTTACACACTGCCCCATTCTCAGAATTTTCAGGAAGAAGTTATCCT
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CCCCAATTCAGAAATATTGAAGGAGCAGTATTGATCTTTTTACCAGGACTTGCTCATATT
CAGCAGTTGTATGATCTTCTATCAAATGATAGAAGATTTTATTCTGAACGATATAAAGTG
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CCAGGAGTCAGGAAGATTGTTTTAGCAACCAATATTGCAGAGACGGGTACTACTTCTCT
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CAGATGAGTTCCTTTGGTGGAGACGTTTGTGTCAGTAAAGCCAGTGCCTTGCAGCGCCAGGGA
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GGCTTTATGGATTATTCTGTTCTGAAATCTTACGTGTACCTTTGGAGGAATTATGCCTT
CATATTATGAAATGTAATCTTGGTTCTCCTGAAGATTTCTCTCCAAAGCCTTAGATCCT
CCTCAGCTCCAAGTGATCAGCAATGCAATGAATTTGCTCCGAAAATTGGAGCTTGTGAA
TTAAATGAGCCTAAACTGACTCCGTTGGGCCAACACCTTGCAGCTTTACCTGTGAATGTC
AAGATTGGCAAGATGCTTATTTTTGGTGCCATATTTGGCTGCCTTGACCCAGTGGCAACA
CTAGCTGCAGTTATGACAGAGAAGTCTCCTTTTACCACACCAATTGGTCGAAAAGATGAA
GCAGATCTTGCAAAATCAGCTTTGGCCATGGCGGATTCAGACCACCTGACGATCTACAAT
GCATATCTAGGATGGAAGAAAGCAGCACAAGAAGGAGTTATCGTTCTGAAATCACATAC
TGCCGGAGGAACCTTCTAATAGAACATCACTGTTAACCTTAGAGGATGTAAGCAGGAG
TTAATAAAGTTGGTTAAGGCAGCAGGATTTTCATCTTCCACAACCTTCTACCAGCTGGGAA
GGAAACAGAGCCTCACAGACCCTCTCATTCCAAGAAATTGCCCTTCTTAAAGCTGTACTG
GTGGCTGGACTGTATGACAATGTGGGGAAGATAATCTATACAAAGTCAGTGGATGTTACA
GAAAAATTGGCTTGCAATTGTGGAGACGGCCCAAGGCAAAGCACAAGTACCCCATCCTCA
GTAAATCGAGATTTGCAAACTCATGGATGGCTCTTATACCAGGAGAAGATAAGGTATGCC
AGAGTGTATTTGAGAGAAACTACCCTAATAACCCCTTTTCCAGTTTTACTTTTTGGTGGT
GATATAGAAGTTCAGCACCGAGAACGCTCTTCTTCTATTGATGGCTGGATCTATTTTCAG
GCCCTGTAAAGATAGCTGTCTTTTTCAAGCAGCTGAGAGTTCATTGATTGAGTTTTTA
AGAAAAAAGCTTGAAAAATCCAAAGATGTCCCTTGAAAAATGACAAGATTCTGCAGATCATT
ACGGAATTGATAAAAACAGAGAATAACTGA
    
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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_019030

**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.

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <u><a href="#">NM_019030.2</a></u> , <u><a href="#">NP_061903.2</a></u>   |
| <b>RefSeq Size:</b>           | 4491 bp   |
| <b>RefSeq ORF:</b>            | 4110 bp   |
| <b>Locus ID:</b>              | 54505   |
| <b>UniProt ID:</b>            | <u><a href="#">Q7Z478</a></u>   |
| <b>Cytogenetics:</b>          | 5q11.2  |
| <b>Gene Summary:</b>          | This gene encodes a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box family of RNA helicases. The encoded protein functions in translation initiation, and is specifically required for ribosomal scanning across stable mRNA secondary structures during initiation codon selection. This protein may also play a role in sensing virally derived cytosolic nucleic acids. Knockdown of this gene results in reduced protein translation and impaired proliferation of cancer cells. [provided by RefSeq, Sep 2016]<br>Transcript Variant: This variant (1) encodes the longest isoform (1). |