

Product datasheet for **SC319014**

DHX36 (NM_001114397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX36 (NM_001114397) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHX36
Synonyms:	DDX36; G4R1; MLEL1; RHAU
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001114397, the custom clone sequence may differ by one or more nucleotides

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ATGAGTTATGACTACCATCAGAAGTGGGGCCGTGATGGGGTCCCCGCAGCTCCGGTGGG
GGCTATGGAGGGGGCCAGCAGGGGGTCATGGAGGTAACCGAGGCTCCGGAGGAGCGGC
GGCGGGGAGGGGGTGGTCGAGGCGGCAGGGGCCGCATCCCGGCACCTGAAAGGCCGC
GAAATCGGCATGTGTACGCGAAAAACAGGGGCAGAAGAACAAGGAAGCGGAGAGGCAA
GAGAGAGCTGTAGTACACATGGATGAACGACGAGAAGAACAATTTGTACAGTTACTGAAT
TCTGTTCAAGCGAAGAATGATAAAGAGTCAGAAGCACAGATATCCTGGTTTGTCTCTGAG
GATCATGGATACGGTACTGAAGTTTCTACTAAGAACACACCATGCTCAGAGAACAACCTT
GACATCCAGGAAAAGAAGTTGATAAATCAAGAAAAAAAATGTTTAGAATCAGGAACAGA
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GACCAAAAATTATTGGAAGATTTACAAAAGAAAAAAAATGACCTTCGGTATATTGAAATG
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TACATTGTTTTGGAAGAAGAGGATGGTGCAGTACTGGTCTTTCTGCCAGGCTGGGACAAT
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CAGGTGTTTTAAAGAACCCTCCTGGTGTTCGAAAAATAGTAATTGCTACCAACATTGCG
GAGACTAGCATTACCATAGATGATGTCGTTTATGTGATAGATGGAGGAAAAATAAAGAG
ACGCATTTTGATACTCAGAACAATATCAGTACAATGTCCGCTGAGTGGGTTAGTAAAGCT

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AATGCCAAACAGAGAAAAGGTCGAGCTGGAAGAGTTCAACCTGGTCATTGCTATCATCTG
TATAATGGTCTTAGAGCAAGTCTTCTAGATGACTATCAACTGCCAGAAATTTTGAGAACT
CCTTTGGAAGAACTTTGTTTACAAATAAAGATTTAAGGCTAGGTGGAATTGCTTATTTT
CTGAGTAGATTAATGGACCCACCATCAAATGAGGCAGTGTACTCTCCATAAGACACCTG
ATGGAGCTGAACGCTTTGGATAAACAAGAAGAATTGACACCTCTGGAGTCCACTGGCA
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TTAGACCCAGTACTCACTATTGCTGCTAGTCTCAGTTTCAAAGATCCATTTGTCATTCCA
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GTATTTAGTCTCCAGCAAGAATTGCCCATCTTGTAAAGGAATTAAGAAAGGAAGTAGAT
ATTCTTCTGCAAGAGAAGATTGAAAGTCCTCATCCTGTAGACTGGAAATGACACTAAATCC
AGAGACTGTGCAGTACTGTCAGCTATTATAGACTTGATCAAAAACACAGGAAAAGGCAACT
CCCAGGAACTTTCCGCCACGATTCCAGGATGGATATTACAGC
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Restriction Sites:	Please inquire
ACCN:	NM_001114397
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).
Reconstitution Method:	<ol style="list-style-type: none"> 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:	<u>NM_001114397.1</u> , <u>NP_001107869.1</u>
RefSeq Size:	3583 bp
RefSeq ORF:	2985 bp
Locus ID:	170506

UniProt ID: [Q9H2U1](#)

Cytogenetics: 3q25.2

Gene Summary:

This gene is a member of the DEAH-box family of RNA-dependent NTPases which are named after the conserved amino acid sequence Asp-Glu-Ala-His in motif II. The protein encoded by this gene has been shown to enhance the deadenylation and decay of mRNAs with 3'-UTR AU-rich elements (ARE-mRNA). The protein has also been shown to resolve into single strands the highly stable tetramolecular DNA configuration (G4) that can form spontaneously in guanine-rich regions of DNA. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 1, resulting in a shorter protein (isoform 2). Isoform 2 localizes to the cytoplasm.