

Product datasheet for **SC112122**

DHX40 (NM_024612) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX40 (NM_024612) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHX40
Synonyms:	ARG147; DDX40; PAD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112122 sequence for NM_024612 edited (data generated by NextGen Sequencing)

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ATGTCCCGGTTTCCCGCAGTCGCGGGCAGGGCGCCAAGGCGGCAGGAGGAGGGTGAGCGG
TCAAGAGACCTCCAGGAAGAGCGGCTCTCGGCTGTTTGCATCGCCGATAGAGAAGAGAAA
GGATGCACGTCCAGGAGGGAGGAACACTCCAACCTTTTCTATTCAGAAAACAAAGAAAA
AAGATTATCAAGCTGTGAGGGACAATTCATTCTTATTGTTACTGGAATACAGGAAGT
GGTAAACAACCTCAACTCCCAAAATATCTATATGAAGCAGGGTTTTACAAACATGGTATG
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GAAATGAAATGCACTTTGGGATCCAAAGTAGGATACCAAGTTCGTTTTGATGATTGCAGT
TCTAAGGAGACAGCAATCAAATATATGACTGATGGATGTTTACTGAAACATATTCTGGGA
GACCCAAATCTTACCAAATTCAGTGTCATTATTTTGGATGAAGCCCATGAAAGAACTCTA
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Clone variation with respect to NM_024612.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024612 unedited
 GGGGTCAACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACCAGGACGTGCT
 CGCCTCCACTCGGGGCCAGGTCTATGTCCCGTTTCCCGCAGTCGCGGGCAGGGCGCCAA
 GGCGGCAGGAGGAGGTGAGCGGTCAAGAGACCTCCAGGAAGAGCGGCTCTCGGCTGTTT
 GCATCGCCGATAGAGAAGAGAAAGGATGCACGTCCCAGGAGGGAGGAAGTACTCCAATT
 TTCCTATTGAGAAACAAAGAAAAAGATTATTCAAGCTGTGAGGGACAATTCATTCTTA
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 CAGTTGCTCAGAGAGTAGCTGAAGAAATGAAATGCACTTTGGGATCCAAAGTAGGATACC
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 ATGAAGCCCATGAAAGAACTCTAACTACAGATATCTTATTTGGTTTATTGAAGAAGCTAT
 TTCAGGAGAAGTCTCTAATAGGAAGGAGCATTTAAAGTGGTGGTAATGTCAGCAACTA
 TGAATTAGCCAAGCTCTCTGCATTCTTTGGAATTTGCCATATTTGATATACCTGGAA
 GGCTNTATCCAGTCAGAGAGAAATCTGCANTTTGATTGGTCCAGAGACAGAGAAATAC
 TGGGTATATCAAAGCGATGTGAAGTCACATGGATATCATTGATGAAATGGCTGAGACATC
 TGTTTTNTGACTGCCAGTTGATAGAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024612 unedited
 ATATTGCGGTCCCCCCCCACAATTCGGGTTGNGTTTTNNCCNNNNNTTGGGNTTGGGT
 TTTTTGAGAGNTTTATTTAAGGGGAGTGGGTGAGTANTATGTGCAAAGCACTATGCTAGG
 TGCATGAAAGATACAAAGATGAAAAAGACACAGTCCCTGCCCAAGGAGCGTATAATC
 TAGTGAGGGAGACAAATACACAAATAACTAGAATACAAGGCAGTAAACAAGATTGGGCAG
 GTGCTGAGTGTGGCCTGAGTGTGATACTAACTAGCCTCAAGTTCCAATTTGAAACACGA
 TGAAATAGTGTGCTGCTTCGAAAATCCCATCCCAAGTTTGGCATAATGGAAGTTAAAT
 GGCCCTACCCAAACAGGTGGAATAACAGAGTAGGCCAGGTGGAGGCGCTGTTTGAAGT
 ACTATCACACCTACATACATGGTGCTGATATAAGTACGTAGGTACAGTAAAAAGAACT
 TATATATATATATATCATATATATATATCATCTGTCCTTTGGTTAATGGCTATAGC
 TACTGTTTTAAACAATATACTTTTATATAAAAAAGGAATTTGTATAATCCAGAAAAATCA
 ATTTAAGGATTAATATTAATTTCAAGAAAGAATCCTGGCCTAAGGCAATTTTAAATTACC
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 TAGACATCCTAAATATTTGGTGAGTAAAAACCTCTTATGTTTAGCCCTTCTAAAAATAA
 GGGTGACAAACCTGAAAAAATGCGCCATATTTCAACAAACCCAAGAGAGCCCTTAAGA
 AAATTTTAAAGACAACAATTTTAAAAAGCCTTCAAGGCGAAAGGGGAATACACCCGCGA
 TTAATAAACCATCAATGTTCTTGAGAAAACCCCGAAGCCGGCCTGTGCCACCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_024612

Insert Size:

3500 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).

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:	<u>NM_024612.3, NP_078888.3</u>
RefSeq Size:	3656 bp
RefSeq ORF:	2340 bp
Locus ID:	79665
UniProt ID:	<u>Q8IX18</u>
Cytogenetics:	17q23.1
Domains:	DEAD, helicase_C, HA2
Gene Summary:	This gene encodes a member of the DExH/D box family of ATP-dependent RNA helicases that have an essential role in RNA metabolism. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 17.[provided by RefSeq, Oct 2009] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).