

Product datasheet for **SC324113**

DHX8 (NM_004941) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX8 (NM_004941) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHX8
Synonyms:	DDX8; Dhr2; HRH1; PRP22; PRPF22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004941.1
GGGTTCTGGGCAAGCTATAGCCATGGCTGTGGCTGTAGCCATGGCGGGAGCCTTAATCG
GGTCGGAGCCAGGCCCGCGGAAGAAGACTTGCCAAACTCGAGTACCTGTCTTTGGTGTCAA
AGGTTTGCAGTGTAGCTGACAAATCACTTGGGGATCAACGACAAGGACCTTGCTGAATTTG
TGATCAGTCTTGCTGAGAAAAATACCACCTTTGATACTTTTAAGGCTTCTCTCGTCAAAA
ATGGTGCAGAATTTACGGATTCTTTATTAGTAACTTGCTGCGTCTCATACAAACCATGC
GGCCTCCAGCGAAGCCTTCCACTAGCAAAGATCCAGTTGTTAAACCTAAAAACAGAAAAAG
AAAAGCTGAAGGAAGCTTCCCAGTCTTTGCCAACCGGACAACCCTTCTGTTCCGACCA
TGTTGGATGAAGATGATGTGAAAGTTGCTGTGGATGTCCTGAAAGAACTGGAAGCTTTAA
TGCCAGCGCAGCAGGCCAGGAGAAGCAAAGAGATGCTGAACACCGGGACAGGACAAAGA
AGAAGAAGCGGAGTCGAAGCCGAGATCGAAACCGAGATCGAGACAGAGATAGGGAACGAA
ACCGAGATAGAGACCACAAGCGGAGACACCGATCCCGCTCTCGATCACGTTCCAGGACCC
GGGAGAGGAATAAAGTGAAGTCTAGATATCGGTCCAGGAGCAGGAGTCAAGTCCCCCA
AAGACCGGAAGGACCGGGACAAATATGGAGAGCGGAATCTGGATAGATGGCGGGATAAGC
ATGTGGACCGCCCTCCTCCAGAAGAGCCACCATTGGTGACATTTATAATGGCAAAGTTA
CCAGCATCATGCAGTTTGGTTGCTTTGTGACGCTGGAAGGACTAAGGAAGCGGTGGGAAG
GCCTGGTGCACATCTCTGAGCTCCGGCGGGAGGGTCGTGTGGCCAATGTAGCTGATGTCG
TGAGCAAAGGCCAGAGGGTCAAAGTCAAAGTGTGTCTTCACTGGGACCAAGACCAGCC
TGAGCATGAAGGATGTGGATCAAGAGACTGGAGAAGATCTAAACCCAAATAGACGGCGAA
ATCTTGTGCGGGAGACCAATGAGGAGACCTCAATGCGGAATCCTGATAGACCCACTCACT
TGTCCTTGTGTCAGTCTCTGAAGTAGAGGACGACTCACTGGAACGCAAGCGCCTCACCC
AAATCTCTGACCCAGAGAAGTGGGAGATCAAACAGATGATTGCTGCCAATGTCCTTTCCA
AAGAAGAATTTCCAGACTTTGATGAAGAGACTGGCATTCTCCCTAAGGTGGATGATGAAG
AAGATGAGGACCTTGAGATTGAATTGGTTGAGGAAGAGCCTCCATTCTGAGAGGGCACA
CTAAGCAAAGCATGGACATGAGCCCAATAAAATTGTCAAGAACCAGACGGCTCCCTCT
CCCAAGCAGCAATGATGCAGAGTGCCTTGCCAAAGAAAGCGGGAACCTCAAACAGGCC
AGCGGGAAGCTGAGATGGATTCTATTCCATGGGACTCAACAAACTGGGTTGACCTC



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TGCCTGATGCGGAAGGCAGACAGATTGCTGCCAACATGAGGGGTATTGGGATGATGCCCA
 ATGATATTCTGAGTGAAGAAGCATGCCTTTGGGGGCAACAAAGCCTCTTACGGAAAAA
 AGACCCAGATGTCAATCCTTGAGCAGAGGGAGAGCCTGCCCATCTACAACTGAAGGAGC
 AATTGGTCCAGGCCGTCATGACAATCAGATCCTGATTGTCATTGGTGAGACAGGATCTG
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 TTGGGTGTACCCAGCCCAGAAGAGTGGCAGCTATGTCGGTGGCCAAAAGAGTGTGAGAGG
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 AGCTCGTGGTGACGCCTATTTCTCAGGCTCAGGCAAGCAACGAGCTGGCAGAGCTGGGA
 GAACAGGCCCAGGGAAGTGTACAGGTTGTACACAGAACGTGCCTACCGAGATGAAATGC
 TGACCACCAACGTGCCGGAATCCAGAGAACCACTTAGCAAGCACAGTGCTGTCACTCA
 AGGCCATGGGTATCAATGATCTGCTGTCTTTGATTTTCATGGATGCCCCACCTATGGAAA
 CTTTGTACACAGCCATGGAGCAGCTGTACACACTGGGGCCCTGGATGACGAGGGCCTGC
 TCACTCGCTTGGGCCCGGATGGCAGAGTTCCCTCTGGAGCCAATGCTATGCAAAATGC
 TCATCATGTCTGTGCATCTGGGCTGCAAGTGAAGAAATGCTGACCATTGTATCCATGCTGT
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 GTAATGCTGCCAAGAAAGACCCGAGGAGGTTACCGGACTGATCGACCAGCAGGTGG
 TCTATATCCATCCTTCCAGTGCCTCTTCAACAGACAGCCAGAATGGGTGGTGTACCATG
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 TTGTGGAGTTTGGCCCAGCCTTCTCAAGGTCTCAGACCCAATAAGCTAAGCAACAGA
 AGAAGCAACAGCGTCTTGAACCTTGTACAACCGCTATGAGGAACCCAATGCCTGGAGAA
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 GTAGCCAGGGCTTGGACTTATCGATGACAGGCTGGTCTGAGGATACAGCTGTCCCGTGA
 CTGACTGTCTTAAGTGAATTTCTCAACTCGACTCTCATTCTTCCCTGCTGGTAAAA
 TAGAAACAGGGATTTAAACCTGGCTTTGGCAAGAGCCTGCAGCCTCCATCACCCCAAGTC
 CTTGGGCCAGTTGGGAGCTCATATCTAACACAGAGACACATTGCATCAACTTCAAGAAA
 GGGACAATTTGTGCAAGTCCAGGATGGGAAGGTGGAGTGGGTGAGCATCTTGTGCAAGGA
 CATGGTGAAGTGCCTGATGCCCCAGCTAGCAGGAGCTACTGTGCTCATCTAAAGTGTGTTG
 CCCCACCTCCACCCCGTCTCCAGCCCCTGACTTTGGCTTGACCTCGTGGAAATATTTA
 TTTTCTTAAGGAAACAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_004941

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:	NM_004941.1 , NP_004932.1
RefSeq Size:	4201 bp
RefSeq ORF:	3663 bp
Locus ID:	1659
UniProt ID:	Q14562
Cytogenetics:	17q21.31
Domains:	DEAD, helicase_C, S1, HA2
Protein Pathways:	Spliceosome
Gene Summary:	This gene is a member of the DEAH box polypeptide family. The encoded protein contains the DEAH (Asp-Glu-Ala-His) motif which is characteristic of all DEAH box proteins, and is thought to function as an ATP-dependent RNA helicase that regulates the release of spliced mRNAs from spliceosomes prior to their export from the nucleus. This protein may be required for the replication of human immunodeficiency virus type 1 (HIV-1). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]