

## Product datasheet for **RC240028**

### **DHX8 (NM\_001302623) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** DHX8 (NM\_001302623) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** DHX8  
**Synonyms:** DDX8; Dhr2; HRH1; PRP22; PRPF22  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC240028 representing NM\_001302623  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGTGGCTGTAGCCATGGCGGGAGCCTTAATCGGGTCGGAGCCAGGCCCGCGGAAGAAGCTTGCCA  
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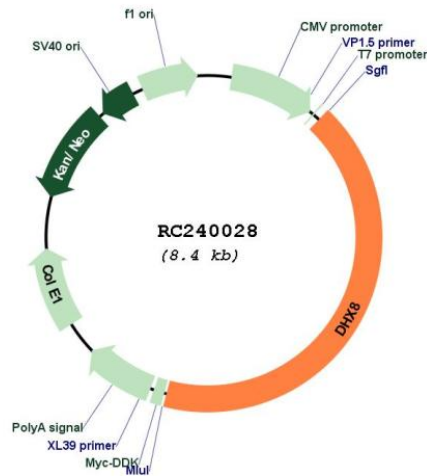


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CTGATGCGGAAGGCAGACAGATTGCTGCCAACATGAGGGGTATTGGGATGATGCCCAATGATATTCCTGA  
GTGGAAGAAGCATGCCTTTGGGGCAACAAAGCCTTTACGGAAGAACAGCCAGATGTCAATCCTTGAG  
CAGAGGGAGAGCCTGCCATCTACAACTGAAGGAGCAATTGGTCCAGGCCGTCCATGACAATCAGATCC  
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CACTTCCAGGGGCAAGATTGGGTGTACCCAGCCAGAAGAGTGGCAGCTATGTCGGTGGCCAAAAGAGTG  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Plasmid Map:**


**ACCN:** NM\_001302623

**ORF Size:** 3543 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_001302623.2](#)

**RefSeq Size:** 3875 bp

**RefSeq ORF:** 3546 bp

**Locus ID:** 1659

**UniProt ID:** [Q14562](#)

**Cytogenetics:** 17q21.31

**Protein Pathways:** Spliceosome

**MW:** 134.5 kDa

**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]