

Product datasheet for **RC208403**

DHX8 (NM_004941) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX8 (NM_004941) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHX8
Synonyms:	DDX8; Dhr2; HRH1; PRP22; PRPF22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208403 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC208403 protein sequence
Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mk6262_f06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

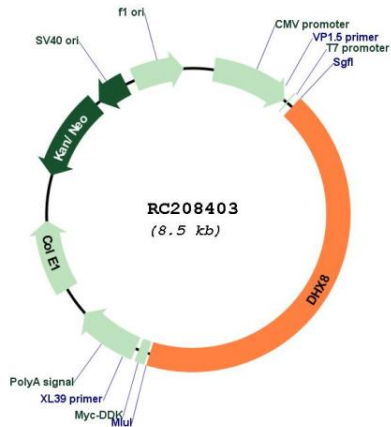


ACCN: NM_004941

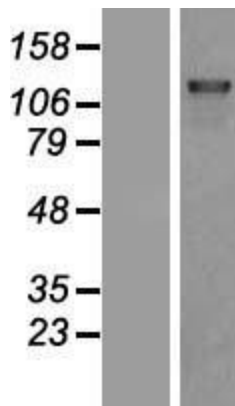
ORF Size: 3660 bp

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:	<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_004941.3
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
MW:	139.3 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]

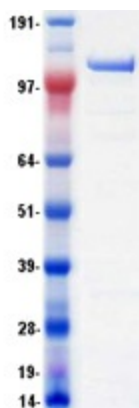
Product images:



Circular map for RC208403



Western blot validation of overexpression lysate (Cat# [LY417642]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208403 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DHX8 protein (Cat# [TP308403]). The protein was produced from HEK293T cells transfected with DHX8 cDNA clone (Cat# RC208403) using MegaTran 2.0 (Cat# [TT210002]).