

## Product datasheet for **RC206486**

### DHX30 (NM\_014966) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DHX30 (NM_014966) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHX30
Synonyms:	DDX30; NEDMIAL; RETCOR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206486 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >RC206486 protein sequence  
Red=Cloning site Green=Tags(s)

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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6208\\_f03.zip](https://cdn.origene.com/chromatograms/mk6208_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

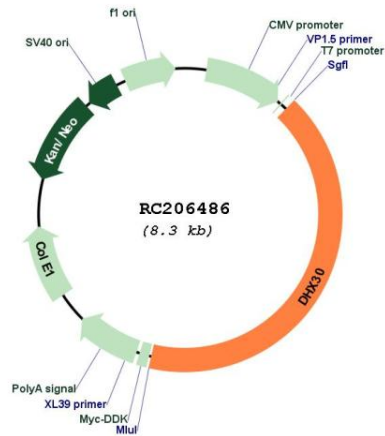


**ACCN:** NM\_014966

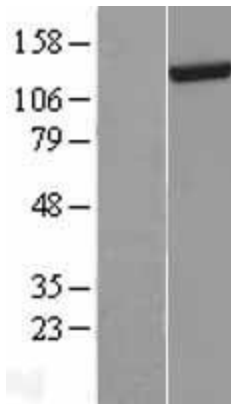
**ORF Size:** 3465 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014966.3</a>
<b>RefSeq Size:</b>	4133 bp
<b>RefSeq ORF:</b>	3468 bp
<b>Locus ID:</b>	22907
<b>UniProt ID:</b>	<a href="#">Q7L2E3</a>
<b>Cytogenetics:</b>	3p21.31
<b>Domains:</b>	DSRM, helicase_C, HA2
<b>MW:</b>	129.4 kDa
<b>Gene Summary:</b>	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The family member encoded by this gene is a mitochondrial nucleoid protein that associates with mitochondrial DNA. It has also been identified as a component of a transcriptional repressor complex that functions in retinal development, and it is required to optimize the function of the zinc-finger antiviral protein. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2013]

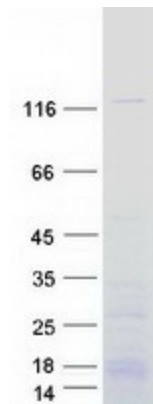
Product images:



Circular map for RC206486



Western blot validation of overexpression lysate (Cat# [LY414895]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206486 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DHX30 protein (Cat# [TP306486]). The protein was produced from HEK293T cells transfected with DHX30 cDNA clone (Cat# RC206486) using MegaTran 2.0 (Cat# [TT210002]).