

Product datasheet for **RC204467**

DHX30 (NM_138615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHX30 (NM_138615) 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:	>RC204467 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCAGCCTGGACTCATTAGAAAAGATCGGGCCAGCACAGGCAGCGTCAGTGCAAACCTCCCCAC
CCCGCCTTCCACCCATGTGTGTCAACCCACCCAGGAGGGACCATCTCTCGAGCTTCTAGGGACCTATT
AAAAGAGTTCCACAGCCAAAAATCTTCTCAACAGTGTGATTGGAAGAGCCCTCGGCATCTCACATGCA
AAAGACAACTAGTCTACGTGCACACAAATGGACCGAAGAAAAAGAAAGTCACTGCACATAAAATGGC
CCAAGAGCGTGGAGGTAGAAGGCTATGGCAGCAAGAAGATCGATGCTGAGCGGCAGGCTGCAGCTGCAGC
CTGCCAGCTGTTCAAGGTTGGGGTCTGCTAGGTCGCCGGAATGAGTTGTTTACGCGAGCCAAATACCGA
GTGCTAGCTGATCGCTTTGGCTCCCTGCCGACAGCTGGTGGCGTCCGGAACCCACCATGCCCCCTACTT
CCTGGCGGCAGCTGAATCCAGAGAGTATTCCAGCAGGGGGACCTGGGGGCTATCCCGCTCTTAGGCCG
GGAAGAAGAGGAGGACGAGGAGGAAGAGCTAGAAGAAGGGACCATAGATGTTACCGACTTCTGTCCATG
ACCCAGCAGGATCCACGCTCCACTCAGGACTCAAGGGGGAGTTCTTTGAGATGACAGATGACGACA
GTGCCATTAGGGCTCTGACCCAGTTTCCACTTCCCAAGAACCTTCTGGCCAAGGTGATTCAGATTGCAAC
GTCATCTCCACAGCTAAGAACCTCATGCAGTTCCATACTGTGGCACCAAGACCAAGCTGTCTACACTC
ACCTGCTCTGGCCCTGCCCCATGACCTTTGTTGCCAAAGGGCGCCGAAAGCAGAGGCTGAGAATAAGG
CGGCAGCCTTGGCCTGCAAGAACTGAAGAGCCTGGGCCTGGTGGACAGGAACAACGAACCGCTTACACA
CGCCATGTATAACCTGGCCTCTTTGCGTGAGCTGGGTGAGACCCAGCGCCGACCATGCACCATCCAGGTG
CCCGAGCCATCTCCGCAAGATAGAGACCTTCTGAACCATTACCCTGTGGAGAGTTTCATGGATCGCCC
CAGAATCCGGCTGCAGAGTGATGACATCTTGGCCTTGGGCAAGGACTCAGGGCCTCTGAGTGACCTAT
CACAGGCAAGCCCTATGTCCCTGTTGGAAGCAGAGGAGGTACGTCTCAGCCAGAGTCTGCTAGAAGT
TGGCGGCGGCGAGGGCCGGTCTGGCAGGAGGCCCCAGCTACCTGTGGACCCACATCGGGACACCATCC
TCAACGCCATTGAGCAGCACCCGGTGGTGGTTCATCTCTGGGACACGGGCTGTGGGAAGACCACGGCAT
CCCCAGCTGTTGCTGGAGCGCTATGTGACCGAGGGCCGAGGTGCCCGCTGCAATGTTATCATACCCAA



[View online >](#)

CCTCGCCGCATCTCTGCTGTGTCTGTGGCACAGCGGGTCAGCCACGAACTGGGCCCTCCCTGCGCCGGA
ATGTGGGCTTCCAGGTGCGGTTGGAAAGTAAGCCCCATCCCAGGGCGGGCCCTGCTCTTCTGCACTGT
GGGTATCTGTGCGTAAGCTGCAGAGCAACCCAGCCTGGAGGGCGTGAGCCACGTATCGTGGATGAG
GTGCATGAGCGGGACGTGAACACAGACTTTCTGCTGATCCTGCTCAAGGGCTGCAGCGGCTCAACCCGG
CCCTGCGGCTGGTGTCTATGAGTGCCACAGGGGACAATGAGCGCTTCTCCCGATACTTTGGTGGCTGCC
CGTCATCAAGGTGCCTGGCTTCATGTACCCAGTCAAGGAGCACTACCTAGAGGACATCCTGGCCAAAGTTG
GGCAAGCACCACTACCTGCACCGGCACCGGCACCATGAGTCTGAGGATGAATGCGCACTCGATTTGGACC
TTGTGACTGATCTGGTTCTGCACATCGATGCTCGCGGGGAACCAGGTGGATCCTGTGCTTCTGCTGCCTGG
GTGGCAGGAGATCAAAGGAGTGCAGCAGCGCTCCAGGAGGCCCTGGGCATGCACGAGAGCAAGTACCTC
ATCCTGCCAGTGCCTCAACATCCCCATGATGGATCAGAAGGCCATATTCCAGCAGCCTCCAGTTGGGG
TGCGCAAGATTGTCTTGGCCACCAACATTGCTGAGACTCCATCACAATCAATGACATCGTGCATGTGGT
GGACAGTGGGCTGCACAAGGAAGAACGCTATGACCTGAAGACCAAGGTGTCTGCCTGGAGACAGTGTGG
GTATCAAGAGCCAATGTGATCCAGCGCCGGGGCCGGGCGGCTGCCAGTCCGGCTTTGCTACCCT
TGTTCCCTCGAAGCCGGCTGGAGAAAATGGTCCCTTTCCAAGTGCAGAGATCCTGCGCACACCTCTTGA
GAACCTGGTGTGCAAGCGAAAATCCACATGCCTGAGAAGACGGCGGTGGAGTTCCTGTCCAAGGCTGTG
GACAGTCCAAACATCAAGGCAGTGGACGAGGCTGTGATCTTGTCCAGGAGATCGGGGTGCTGGACCAGC
GGGAGTACCTGACTACCCTGGGGCAGCGCTGGCTCACATCTCCACCGACCCCGGTTGGCCAAGGCCAT
TGTGTTGGCTGCCATCTTCCGTTGCCTGCACCCACTACTGGTGGTTCGTTTCTGCCTCACCCGGGACCC
TTCAGCAGCAGCTACAGAACCGGGCAGAGGTGGACAAGGTGAAAGCACTGTTGAGCCATGACAGCGGCA
GTGACCACCTGGCCTTTGTGCGGGCTGTGCGCGGCTGGGAGGAGGTGCTGCGTTGGCAGGACCGCAGCTC
CCGGGAGAATTACCTGGAGGAAAACCTGCTGTACGCACCCAGCCTGCGCTTATCCACGGACTCATCAAG
CAGTCTCAGAGAACATTTATGAGGCCTTCTGGTGGGAAGCCCTCGGACTGCACCCTGGCTCCGCCC
AGTGAACGAGTACAGTGAGGAGGAGGAGCTGGTGAAGGGCGTGTGATGGCCGGCCTTACCCCAACT
CATCCAGGTGAGGCAGGCAAGGTCAACCGGCAGGGGAAGTTCAAGCCCAACAGCGTCACATATAGGACC
AAATCAGGCAACATCCTGCTGCACAAGTCGACCATTAACAGGGAGGCCACACGGTTACGGAGCCGATGGC
TGACGTATTTTATGCGAGTCAAGTCCAATGGCAGCGTCTTCTGTCGGGACTCCTCTCAGGTGCACCCGCT
AGCTGTGCTGCTGCTGACCGACGGGGACGTGCACATCCGTGATGACGGGCGCCGGGCCACCATCTCACTG
AGCGACAGTGACCTGCTGCGGCTGGAGGGTACTCGCGTACCGTGCAGGCTGCTGAAGGAGCTGCGGCGGG
CCCTGGGCGCATGGTGGAGCGGAGCCTGCGCAGCGAGCTGGCTGCACTTCCCCCAGCGTACAGGAGGA
GCACGGGCGAGCTGCTTGCCTACTGGCAGAGCTGCTGCGAGGACCCTGTGGCAGCTTTGATGTGCGCAAG
ACAGCTGACGAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204467 protein sequence
 Red=Cloning site Green=Tags(s)

```

MFSLSDFRKDRAQHRQRQCKLPPPRLLPPMCVNPTPGGTISRASRDLLKEFPQPKNLLNSVIGRALGISHA
KDKLVVYHTNGPKKKKVTLHIKWPKSVEVEGYGSKKIDAERQAAAAACQLFKGWGLLGPRLNFDAAYR
VLADRFGSPADSWWRPEPTMPPTSWRQLNPESIRPGGPGLSRSLGEEEEEEEEEEEGTIDVTDFLSM
TQQDSHAPLRDSRGSSFEMTDDSAIRALTQFPLPKNLLAKVIQIATSSSTAKNLMQFHTVGTKTKLSTL
TLLWPCPMTFVAKGRRKAEAKAAALACKKLSLGLVDRNNEPLTHAMYNLASLRELGETQRRPCTIQV
PEPILRKIETFLNHYPVESSWIAPELRLQSDDILPLGKDSGPLSDPITGKPYVPLLEAEEVRLSQSLEL
WRRRGPVWQEAPQLPVDPHRDTILNAIEQHPVVVISGDTGCGKTRIPQLLLERYVTEGRGARCNIITQ
PRRISAVSVAQRVSHELGPSLRRNVGFQVRLSEKPPSRGGALLFCVTGILLRKLQSNPSLEGVSHVIVDE
VHERDVNTDFLLILLKGLQRLNLPALRLVLSATGDNERFSRYFGGCPVIKVPGFMYPVKEHYLEDILAKL
GKHQYLHRHRHHESEDECALDDLVDLVLHIDARGEPPGILCFLPGWQEIKGVQQRLEALGMHESKYL
ILPVHSNIPMMDQKAIFQQPPVGVKIVLATNIAETSITINDIVHVVDSSGLHKEERYDLKTKVSCLETW
VSRANVIQRRGRAGRCQSGFAYHLFPRSRLKEMVFPQVPEILRTPLENLVLQAKIHMPEKTAVEFLSKAV
DSPNIKAVDEAVILLQEIGVLDQREYLTTLGQRLAHISTDPRLAKAIVLAAIFRCLHPLLVVVSLTRDP
FSSSLQNRAEVDKVKALLSHDSGSDHLAFVRAVAGWEEVLRWQDRSSRENYLEENLLYAPSLRFIHLGIK
QFSENIYEAFVKGPSDCTLASAQCNEYSEEEELVKGVL MAGLYPNLIQVRQGVTRQGKFKPNSVTYRT
KSGNILLHKSTINREATRLRSRWLYTFMAVKSNGSV FVRDSSQVHPLAVLLLTDGDVHIRDDGRRATISL
SDSDLLRLEGDSRTVRLKELRRALGRMVERSLRSELAALPPSVQEEHGQLLALLAELLRGPCGSFDVVK
TADD
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6141_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

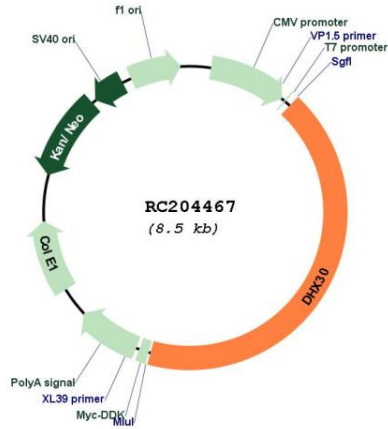


ACCN: NM_138615

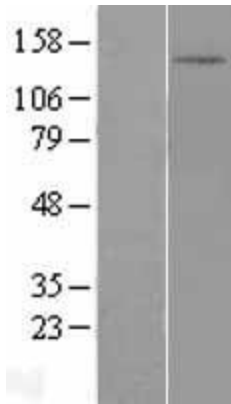
ORF Size: 3582 bp

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_138615.3
RefSeq Size:	4104 bp
RefSeq ORF:	3585 bp
Locus ID:	22907
UniProt ID:	Q7L2E3
Cytogenetics:	3p21.31
Domains:	DSRM, DEAD, helicase_C, HA2
MW:	133.9 kDa
Gene Summary:	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 RC204467



Western blot validation of overexpression lysate (Cat# [LY403370]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204467 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).