

## Product datasheet for **RC205914**

### **DHX15 (NM\_001358) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DHX15 (NM_001358) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHX15
Synonyms:	DBP1; DDX15; PRP43; PRPF43; PrPp43p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC205914 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCCAAGCGGCACCGTTGGACCTAGGGGAGGATTACCCTCTGGCAAGAAGCGTGGGGGACCGATG  
GGAAGGATCGAGATCGAGACCGGATCGTGAAGATCGGTCTAAAGATCGAGACCGAGAACGTGATAGAGG  
AGATAGAGAGCGAGAGAGGGAGAAAAGAAAAGGAGAAGGAGTTGCGAGCTTCAACAATGCTATGCTTATC  
AGTGCTGGATTACCACCTTTGAAAGCTTCCATTAGCTCACTCAACCCACTCAGCACATTCAACGCATT  
CAACACATTCTGCTATTCAACGCATGCCGGACATGCAGGTACACGTCACCTCCACAGTGCATTAATCC  
GTTCCACCACTTACCCATACTCCTCGATACTATGATATTCTAAAGAAACGTCTTCAGCTCCCTGTTTGG  
GAATAACAAGGATAGGTTTACAGATATTCTGGTTAGACATCAGTCTTTGACTGGTTGGTGAGACTGGGT  
CTGGTAAAACAACACAGATTCCACAGTGGTGTGGAGTACATGCGATCATTACCAGGACCAAGAGAGG  
AGTTGCCTGTACCAACCCAGGAGAGTGGCTGCAATGAGTGTGGCTCAGAGAGTTGCTGATGAGATGGAT  
GTGATGTTGGGCCAGGAAGTTGGTTACTCCATTGATTGAAAGACTGCAGTAGTCAAAAACCATTTCTTA  
AGTATATGACTGATGGGATGTTACTTCGTGAAGCTATGAATGATCCCCTCCTGGAGCGTTATGGTGAAT  
AATTCTTGATGAGGCTCATGAGAGGACTGGCTACAGATATTCTAATGGGTGTTCTGAAGGAAGTTGTA  
AGACAGAGATCAGATTTAAAGGTTATAGTTATGAGCGCTACTCTAGATGCAGGAAAATCCAGATTTACT  
TTGATAACTGCTCTCCTAACTATTCTGGGCGTACACATCCTGTTGAGATCTTCTATACTCCAGAACC  
AGAGAGAGATTACTTGAAGCAGCAATTCGAACAGTTATCCAGATTCATATGTGTGAAGAGGAAGAGGGA  
GATCTTCTCTTTTCTAACTGGTCAAGAGGAAATGATGAAGCCTGTAAGAGAATAAAGCGTGAAGTTG  
ATGATTTGGGCCCTGAAGTTGGTGACATTAATAATCATTCCATTGATTCTACACTCCACTCAGCAGCA  
GCAACGCATTTTTGAGCCTCCACCTCCAAAAACAGAATGGAGCAATTGGAAGAAAGGTAGTTGTGTCA  
ACTAACATAGCAGAGACGCTTTTGACAATAGATGGTGTGGTGTGTTGATTGATCCTGGATTTGCCAAAC  
AGAAGGCTACAATCCTCGAATCAGAGTTGAGTCCCTTTTGGTGACAGCTATTAGTAAAGCTTCAGCTCA  
GCAAAGGGCTGGTCGAGCTGGACGTACCAGACCTGGAAAATGCTTCAGACTTTACACAGAGAAAAGCTTAT  
AAAACAGAAAATGCAGGATAACACCTATCCTGAGATTTTGCCTTCTAATTTAGGATCAGTTGTGTTACAAT  
TGAAGAACTGGTATTGATGACTTGGTACATTTTGTATTTATGGATCCACCAGCTCCTGAAACTCTGAT  
GAGAGCCCTGAACTTTTGAATTACCTGGCTGCTTTAAATGATGATGGAGATCTGACTGAATTGGGATCC  
ATGATGGCAGAGTTTCTCTAGATCCACAGCTCGCAAAAATGGTTATTGCAAGTTGTGACTACAAGTGT  
CTAATGAGGTCTATCTATTACTGCTATGTTGTGACAGTCCACAGTGTGTTGTTCCGCCACGGAGGCCAA  
GAAAGCCGCAGATGAGGCCAAGATGAGATTTGCCACATAGATGGAGATCATCTGACACTGCTGAACGTC  
TACCATGCTTTTAAACAAAATCATGAATCGGTTCAAGTGGTGTGTTATGACAACCTCATTAACTACAGGTCCC  
TGATGTCCGCAGACAATGTACGCCAGCAGCTATCTCGAATTATGGACAGATTTAATTTGCCTCGTGAAG  
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GTGGCACATTTAGAACGAACAGGGCATTACTTAACTGTGAAAGATAACCAGGTGGTTCAGTTGCATCCCT  
CTACTGTTCTTGACCACAAACCTGAATGGGTGCTTTATAATGAGTTTGTCTAACAACAAGAATTACAT  
CCGGACATGTACAGATATCAAGCCAGAATGGTTGGTAAAATGGCCCTCAATATTATGACATGAGCAAT  
TTCCACAGTGTGAAGCAAAGAGACAGTTGGACCGCATCATTGCCAAACTCAATCCAAGGAATATTCAC  
AGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205914 protein sequence  
Red=Cloning site Green=Tags(s)

MSKRHRLDLGEDYPSGKKRAGTDGKDRDRDRDREDRSKDRDRERDRGDREREREKEKEKELRASTNAMI  
SAGLPPLKASHSAHSTHSAHSTHSAHSTHSAHSTHAGHAGHTSLPQCINPFTNLPHTPRYYDILKKRLQLPVW  
EYKDRFTDILVRHQSFVLVGETGSGKTTQIPQWCVEYMRSLPGPKRGVACTQPRRVAAMSVAQRVADEMD  
VMLGQEVGYSIRFEDCSSAKTILKYMTDGMLLREAMNDPLLERYGVIIILDEAHERTLATDILMGVLKEVV  
RQRSDLKVIVMSATLDAGKFQIYFDNCPDLLTIPGRTHPVEIFYTPEPERDYLEAAIRTVIQIHMCEEEEG  
DLLLLFLTGQEEIDEACKRIKREVDDLGPVEVDIKIIPLYSTLPPQQQRIFEPKPKQNGAIGRKVVVS  
TNIAETSLTIDGVVVIDPGFAKQKVYNPRIRVESLLVTAISKASAQQRAGRAGRTRPGKCFRLYTEKAY  
KTEMQDNTYPEILRSNLGSVVLQKKLGIDDLVHFDMDPPAPETLMRALELLNYLAALNDDGDLTELGS  
MMAEFPLDPQLAKMVIASCDYNCSNEVLSITAMLSVPQCFVRPTEAKKADEAKMRF AHIDGDHL TLLNV  
YHAFKQNHESVQWCYDNFINYRSLMSADNVRQQLSRIMDRFNLPRRSTDFTSRDYYINIRKALVTGYFMQ  
VAHLERTGHYLVTKDNQVVQLHPSTVL DHKPEWVLYNEFVLT TKNYIRTCTDIKPEWLK IAPQYYDMSN  
FPQCEAKRQLDRIIAKLQSKEYSQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6292\\_g02.zip](https://cdn.origene.com/chromatograms/mk6292_g02.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001358

**ORF Size:** 2385 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\\_001358.3](#)

**RefSeq Size:** 3019 bp

**RefSeq ORF:** 2388 bp

**Locus ID:** 1665

**UniProt ID:** [O43143](#)

**Cytogenetics:** 4p15.2

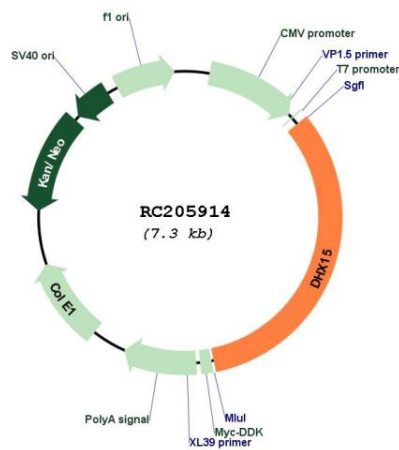
**Domains:** DEAD, helicase\_C, HA2

**Protein Pathways:** Spliceosome

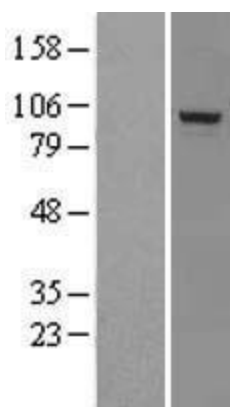
**MW:** 90.9 kDa

**Gene Summary:** The protein encoded by this gene is a putative ATP-dependent RNA helicase implicated in pre-mRNA splicing. [provided by RefSeq, Jul 2008]

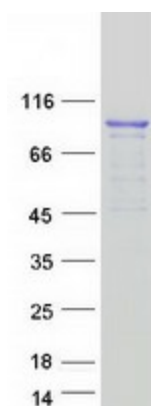
### Product images:



Circular map for RC205914



Western blot validation of overexpression lysate (Cat# [LY419972]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205914 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DHX15 protein (Cat# [TP305914]). The protein was produced from HEK293T cells transfected with DHX15 cDNA clone (Cat# RC205914) using MegaTran 2.0 (Cat# [TT210002]).