

## Product datasheet for **RG205914**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DHX15 (NM_001358) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DHX15
Synonyms:	DBP1; DDX15; PRP43; PRPF43; PrPp43p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>RG205914 representing NM\_001358  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGTCCAAGCGGCACCGTTGGACCTAGGGGAGGATTACCCCTCTGGCAAGAAGCGTGGCGGGACCGATG  
GGAAGGATCGAGATCGAGACCGGATCGTGAAGATCGGTCTAAAGATCGAGACCGAGAACGTGATAGAGG  
AGATAGAGAGCGAGAGAGGGAGAAAAGGAGAAGGAGTTGCGAGCTTCAACAATGCTATGCTTATC  
AGTGCTGGATTACCACCTTTGAAAGCTTCCATTAGCTCACTCAACCCACTCAGCACATTCAACGCATT  
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GAATAACAAGGATAGGTTTACAGATATTCTGGTTAGACATCAGTCTTTGACTGGTTGGTGAGACTGGGT  
CTGGTAAAACAACACAGATTCCACAGTGGTGTGGAGTACATGCGATCATTACCAGGACCAAGAGAGG  
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CTACTGTTCTTGACCACAAACCTGAATGGGTGCTTTATAATGAGTTTGTCTAACAACAAGAATTACAT  
CCGGACATGTACAGATATCAAGCCAGAATGGTTGGTAAAATGGCCCTCAATATTATGACATGAGCAAT  
TTCCACAGTGTGAAGCAAGAGACAGTTGGACCGCATATTGCCAACTTCAATCCAAGGAATATTCAC  
AGTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

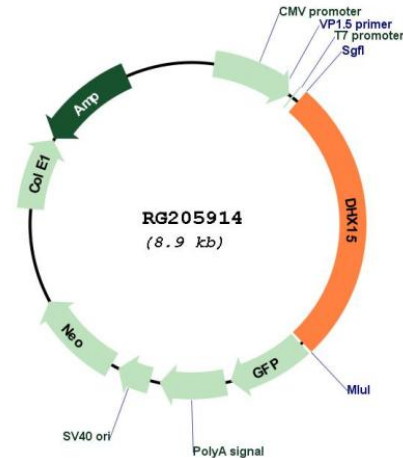
Protein Sequence: >RG205914 representing NM\_001358  
Red=Cloning site Green=Tags(s)

```
MSKRHRLDLGEDYPSGKKRAGTDGKDRDRDRDREDRSKDRDRERDRGDREREREKEKEKELRASTNAMI  
SAGLPPLKASHSAHSTHSAHSTHSAHSTHSAHSTHAGHAGHTSLPQCINPFTNLPHTPRYYDILKKRLQLPVW  
EYKDRFTDILVRHQSFVLVGETGSGKTTQIPQWCVEYMRSLPGPKRGVACTQPRRVAAMSVAQRVADEMD  
VMLGQEVGYSIRFEDCSSAKTILKYMTDGMLLREAMNDPLLERYGVIIILDEAHERTLATDILMGVLKEVV  
RQRSDLKVIVMSATLDAGKFIYFDNCPDLLTIPGRTHPVEIFYTPEPERDYLEAAIRTVIQIHMCEEEEG  
DLLLLFLTGQEEIDEACKRIKREVDDLGPVEVDIKIIPLYSTLPPQQQRIFEPKPKQNGAIGRKVVVS  
TNIAETSLTIDGVVVIDPGFAKQKVYNPRIRVESLLVTAISKASAAQQRAGRAGRTRPGKCFRLYTEKAY  
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MMAEFPLDPQLAKMVIASCDYNSNEVLSITAMLSVPQCFVRPTEAKKADEAKMRF AHIDGDHL TLLNV  
YHAFKQNHESVQWYDNFINYRSLMSADNVRQQLSRIMDRFNLPRRSTDFTSRDYYINIRKALVTGYFMQ  
VAHLERTGHYLTVKDNQVVQLHPSTVL DHKPEWVLYNEFVLT TKNYIRTCTDIKPEWLVKIAPQYYDMSN  
FPQCEAKRQLDRIIAKLQSKESYQY
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



**Plasmid Map:**


**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

**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]