

## Product datasheet for **RG222146**

### **DDX52 (NM\_007010) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DDX52 (NM_007010) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DDX52
Synonyms:	HUSSY19; ROK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG222146 representing NM\_007010  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGTCCACGATCTCTTTCCGCCGCTCGGCCGGGGCCAAATTCGACACGAGACGCTTCTCGGCAG  
 ACGCAGCTCGATTCCAGATAGGAAAAAGGAAATATGACTTTGATTCTTCGGAGGTGCTTCAGGGACTGGA  
 CTTTTTTGGAAACAAGAAGTCTGTCCCAGGTGTGTGGAGCATCACAAACACATCAGAAGCCCCAAAAT  
 GGAGAGAAAAAAGAAGAGAGCCTAACTGAAAGGAAGAGGGAGCAGAGCAAGAAAAAAGGAGACGATGA  
 CTTTCAGAAATTGCTTCCCAAGAAGAAGGTGCTACTATACAGTGGATGTCATCTGTAGAAGCAAAGATTGA  
 AGACAAAAAAGTTCAGAGAGAAAGTAACTAACTTCCGGAAGTTGGAGAATCTCAGAAAAGAAAAGATA  
 AACTTCTGCGGAATAAACACAAAATTCACGTCCAAGGAACCGATCTTCTGACCCAATTGCTACATTTCC  
 AGCAACTTGACCAGGAATATAAAATCAATTCTCGACTACTTCAGAACATTCTAGATGCAGGTTTCCAAAT  
 GCCTACGCCAATCCAAATGCAAGCCATCCCAGTTATGCTGCATGGTCGGGAACCTTCTGGCTTCTGCTCCA  
 ACTGGATCTGGAAAAACATTAGCTTTTAGCATTCTATTTAATGCAGCTGAAACAACCCGCAAATAAAG  
 GCTTCAGAGCCCTGATTATATACCAACACGAGAACTTGCCAGCCAGATTCACAGAGAGTTAATAAAAAAT  
 TTCTGAGGGAACAGGATTAGGATACACATGATCCACAAAGCAGCAGTGGCAGCCAGAAATTTGGACCT  
 AAATCATCTAAAAAGTTTGATATTCTTGTGACTACTCAAATCGACTAATCTATTTATTAAGCAAGATC  
 CCCCCGGAATCGACTAGCAAGTGTGAGTGGCTTGTAGTAGACGAATCAGATAAACTGTTTGAAGATGG  
 CAAAACCTGGGTTCCAGAGACCAGCTGGCTTCCATTTTCTGGCCTGCACATCCACAAGGTCGAAGAGCT  
 ATGTTTCAGTCAACTTTTGCATATGATGTTGAACAGTGGTGAACACTCAACCTGGACAATGTCATCAGTG  
 TGTCATTTGGAGCAAGGAATTTCTGCAGTAGAACTGTAGAACAAGAGCTTCTCTTTGTTGGATCTGAGAC  
 CGGAAAAACTTCTGGCCATGAGAGAACTTGTAAAAAGGGTTTCAATCCACCTGTTCTTGTTTTGTTCAG  
 TCCATTGAAAGGGCTAAAGAACTTTTTCATGAGCTCATATATGAAGGTATTAATGTGGATGTTATTCATG  
 CAGAGAGAACACAACAACAGAGAGATAACACAGTCCACAGTTCAGAGCAGGAAAAATCTGGGTTCTGAT  
 TTGTACAGCCTTGTAGCAAGAGGGATTGATTTTAAAGGTGTGAACCTGGTATCAACTATGACTTTCCA  
 ACTAGCTCAGTGGAAATATATCCACAGGATAGGTGGAAGAGCAGGGAATAAGGGAAAAGCAATTA  
 CATTTTTACTGAGGATGATAAGCCATTATAAGAAGCGTTGCTAATGTTATACAGCAGGCTGGGTGTC  
 TGTACCAGAAATACATAAAAGTTTTTCAGAACTACTAAGCAAACAAAAGAAAAAGATGATTAAGAAACCA  
 TTGAAAAGGGAGAGCATTAGTACAACCTCCAAAATGTTTCTTAGAAAAAGCTAAGGATAAACAGAAAAAGG  
 TCACTGGTCAGAACAGCAAGAAGAAAGTAGCTCTTGAAGACAAAAGT

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG222146 representing NM\_007010  
 Red=Cloning site Green=Tags(s)

MDVHDLFRRLGAGAKFDTRRFSDAARFQIGKRKYDFDSSEVLQGLDFFGNKKSVPVCGASQTHQKPQN  
 GEKKEESLTERKREQSKKRKTMTSEIASQEEGATIQWMSVVEAKIEDKKVQRESKLTSGKLENLRKEKI  
 NFLRNKHKIHVQGTDLDPPIATFQQLDQEYKINSRLLQNILDAGFQMPTPIQMQAIPVMLHGRELASAP  
 TGSGKTLAFSIPILMLKQKQANKGFRALIIISPTRELASQIHRELIKISEGTGFRIHMIHKAAVAACKKFGP  
 KSSKKFDILVTPNRLIYLLKQDPPGIDLASVEWL VVDESDKLFEDGKTGFRDQLASIFLACTSHKVRRA  
 MFSATFAYDVEQWCKLNLNIVSISIGARNSAVETVEQELLFVGSETGKLLAMREL VKKGFNPPVLFVQ  
 SIERAKELFHEL IYEGINVDVIHAERTQQQRDNTVHSFRAGKIWVLICTALLARGIDFKGVNLVINYDFP  
 TSSVEYIHRIGRTGRAGNKGAITFFTEDDKPLLRVANVIQQAGCPVPEYIKGFQKLLSKQKKKMIKPP  
 LERESISTTPKCFLEKAKDKQKVTGQNSKKKVALEDKS

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_007010

**ORF Size:** 1797 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\\_007010.3](#), [NP\\_008941.2](#)

**RefSeq Size:** 3822 bp

**RefSeq ORF:** 1800 bp

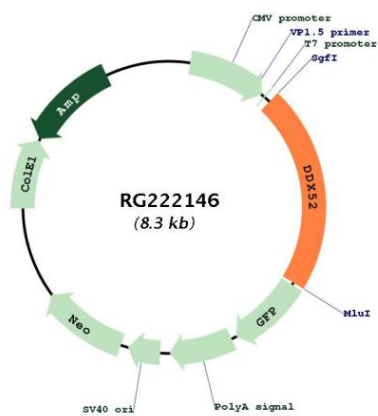
**Locus ID:** 11056

**UniProt ID:** [Q9Y2R4](#)

**Cytogenetics:** 17q12

Domains: DEAD, helicase\_C

Product images:



Circular map for RG222146