

## Product datasheet for **MG221458**

### **Ddx23 (NM\_001080981) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ddx23 (NM_001080981) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ddx23
Synonyms:	3110082M05Rik; 4921506D17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221458 representing NM\_001080981  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGGAGAACTGGCTGACAAAAAGGACCGAGACGCATCACCCAAGGAGGAAAGGAAGCGATCACGGA  
 CTCTGAGAGAGATCGCGATAGAGACCGGGACCGGAAGTCTCCCATCTAAAGATAGGAAGCGGCATCG  
 CTCACGGGATAGGCGTAGAGGAGGGAGCCGTTCTCGCTCTCGGTCCCGTTCCAAGTCTGTAGAGAGGGAA  
 CGGCGGCACAAAGAGCGGGAGCGAGATAAGGAACGGGACCGGAGTAAGAAGGAGCGGGAGCGGGACAAGG  
 ATGGCCACCGACGGGACAAGGACCGAAAAAGATCCAGCTTGTCTCTGGCCGAGGAAAGGATTTCAAGTC  
 TCGGAAGGACAGAGATTCTAAGAAGGGTGACGAGGATGAACATGGAGACAAGCGACCTAAGATCCAGCCA  
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 CTAAGCAGAGCGGGAGGCTGAAGCTCTGAAGCGGGCAGCAGGAGGTGGAGGAGCGCCAGAAGATGCT  
 CGAAGAGGAGCGGAAGAAAAGGAAACAGTTCAGGACCTGGGCAGGAAGATGCTGGAAGATCCTCAGGAA  
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 AACCTGGAGGAAAAGGAGCAGGAGGAAGCAAGACTCCGCAAACCTCGCAAAAAGGAGGCCAAGCAACGC  
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 GCCCCCTCATATCCTGGAAGTCATTGATAAGTGTGGCTACAAGGAGCCAACACCTATCCAGCGTCAGGCC  
 ATTCCCATTGGGCTGCAGAATCGTGACATCATTGGTGTAGCTGAGACTGGCAGTGGAAGACAGCAGCCT  
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 CCCTTATGCCATCATCTGGCTCCTACCCGTGAGTTGGCTCAGCAGATTGAGGAAGAAACCATCAAGTTC  
 GGAAAGCCACTCGGTATCCGCACGTGGCTGTCATCGGTGGCATCTCCAGAGAAGACCAAGGCTTCCGGC  
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 TATGCCCCAGCGGTGGAGCGTCTAGCCAGGAGCTATCTTCGGCGACCTGCTGTGGTGTACATTGGCTCT  
 GCAGGCAAGCCCCATGAGCGGGTGAACAGAAGGTCTTCTCATGTGCGAATCAGAAAAGAGGAAGAAGC  
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 GACTCAGCGGTGTTCTATGAACTGAAGCAGGCCATCCTGGAGAGCCCAGTGTCTGCTGCCCTCCAGAGC  
 TGGCAAACCAACCCAGATGCCAGCACAAACCTGGCACCATCTCACCAAGAAGCGCAGGGAAGAGACCAT  
 CTTTGCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG221458 representing NM\_001080981  
 Red=Cloning site Green=Tags(s)

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MAGELADKKDRDASPKEERKRSRTPERDRDRDRDRKSSPSKDRKRHRSDRRRGGSRSRSRSRKSVERE
RRHKERERDKERDRSKKERERDKDGHRRDKDRKSSLSPGRGKDFKSRKDRDSKKGDEDEHGDKRPKIQP
LSLEELLAKKKAEEEEAEKPKFLSKAEREAEALKRRQQEVEERQKMLEEERKKRQFQDLGRKMLEDPQE
RERRRRERMERETNGNEDEEGRQKIREEKDKSKELHAIKERYLGGIKRRRTRHLNDRKFVFEWDASED
TSIDYNPLYKERHQVQLLGRGFIAGIDLKQQKREQSRFYGDLMEKRRTLEEKEQEEARLRLRKEAKQR
WDDRHWSQKKLDEMTDRDWRIFREDYSITTKGGKIPNPIRSWKDSSLPPHILEVIDKCGYKEPTPIQRQA
IPIGLQNRDIIGVAETGSGKTA AFLIPLLWITTLPKIDRIEESDQGPYAIILAPTRELAQQIEEETIKF
GKPLGIRTVAVIGGISREDQGFRLRMGCEI VIATPGRLIDVLENRYL VLSRCTYVVLDEADRMIDMGFEP
DVQKILEHMPVSNQKPD TDEAEDPEKMLANFESGKHKYRQTMF TATMPPAVERLARSYLRRP AVVYIGS
AGKPHERVEQKVFLMSESEKRKLLAILEQGFDPPI IIFVNQKKGCDVLAKSLEKMGYNACTLHGKGQE
QREFALSNLKAGAKDILVATDVAGRGIDIQDVSMVVNYDMAKNI EDYIHRIGRTGRAGKSGVAITFLTKE
DSAVFYELKQAILESPVSSCPPELANHPDAQHKPGTILTKKRREETIFA
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001080981

ORF Size: 2457 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\\_001080981.1](#), [NP\\_001074450.1](#)

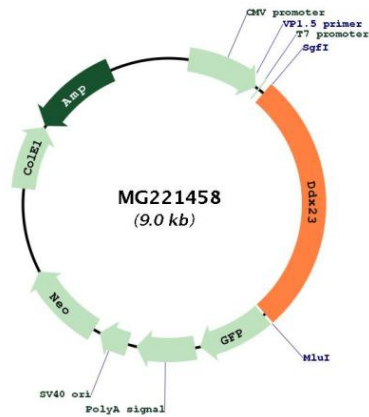
**RefSeq Size:** 2814 bp

**RefSeq ORF:** 2460 bp

**Locus ID:** 74351

**Cytogenetics:** 15 F1

**Product images:**



Circular map for MG221458