

## Product datasheet for **MR221458**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ddx23 (NM_001080981) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx23
Synonyms:	3110082M05Rik; 4921506D17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR221458 representing NM\_001080981  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGGAGAACTGGCTGACAAAAAGGACCGAGACGCATCACCCAAGGAGGAAAGGAAGCGATCACGGA  
 CTCCTGAGAGAGATCGCGATAGAGACCGGGACCGGAAGTCTCCCATCTAAAGATAGGAAGCGGCATCG  
 CTCACGGGATAGGCGTAGAGGAGGGAGCCGTTCTCGCTCTCGGTCCCGTTCCAAGTCTGTAGAGAGGGAA  
 CGGCGGCACAAAGAGCGGGAGCGAGATAAGGAACGGGACCGGAGTAAGAAGGAGCGGGAGCGGGACAAGG  
 ATGGCCACCGACGGGACAAGGACCGAAAAAGATCCAGCTTGTCTCCTGGCCGAGGAAAGGATTTCAAGTC  
 TCGGAAGGACAGAGATTCTAAGAAGGGTGACGAGGATGAACATGGAGACAAGCGACCTAAGATCCAGCCA  
 CTGTCCCTGGAGAACTCTGGCCAAGAAAAAGGCTGAGGAGGAAGCTGAAGCTAAGCCAAATTCCTCT  
 CTAAGCAGAGCGGGAGGCTGAAGCTCTGAAGCGGGCAGCAGGAGGTGGAGGAGCGCCAGAAGATGCT  
 CGAAGAGGAGCGGAAGAAAAGGAAACAGTTCAGGACCTGGGCAGGAAGATGCTGGAAGATCCTCAGGAA  
 AGGGAACGGAGAGAACGGAGGAAAGGATGGAGCGGGAGACCAACGGAAATGAGGATGAGGAGGGGCGGC  
 AGAAGATCCGGGAAGAAAAGGACAAGAGCAAGGAGCTGCACGCCATTAAGGAGCGTTACCTGGGTGGCAT  
 CAAAAACGGCGCGCAACAAGGCATCTCAATGACCGAAAGTTTGTGTTGAGTGGGATGCGTCTGAAGAC  
 ACCTCCATTGATTACAACCCCTGTATAAAGAACGACACCAGGTGCAGCTGTTGGGGCGAGGCTTCATTG  
 CAGGCATTGACCTAAAGCAGCAGAAGCGAGAGCAGTCACGTTTCTATGGAGACCTGATGGAGAAGAGGGC  
 AACCTGGAGGAAAAGGAGCAGGAGGAAGCAAGACTCCGCAAACCTCGCAAAAAGGAGGCCAAGCAACGC  
 TGGGATGACCGCCATTGGTCCCAGAAGAAGTTGGATGAGATGACGGACAGGGACTGGCGGATCTTCCGTG  
 AAGATTACAGCATCACCAACAAAGGTGGCAAGATCCCCAATCCCATCCGTCCTGGAAAGATTCGTCTCT  
 GCCCCCTCATATCCTGGAAGTCATTGATAAGTGTGGCTACAAGGAGCCAACACCTATCCAGCGTCAGGCC  
 ATTCCCATTGGGCTGCAGAATCGTGACATCATTGGTGTAGCTGAGACTGGCAGTGGAAGACAGCAGCCT  
 TCCTCATCCCATTGCTAGTCTGGATCACCAACTTCCCAAGATTGACAGGATCGAAGAGTCAAGACCAGGG  
 CCCTTATGCCATCATCCTGGCTCCTACCCGTGAGTTGGCTCAGCAGATTGAGGAAGAAACCATCAAGTTC  
 GGAAAGCCACTCGGTATCCGCACGTGGCTGTATCGGTGGCATCTCCAGAGAAGACCAAGGCTTCCGGC  
 TACGCATGGGCTGTGAGATTGTGATCGCCACCCCGGGCGCCTGATCGATGTGCTGGAGAACCGGTACCT  
 GGTGCTGAGCCGCTGCACCTACGTGGTTCTGGATGAGGCGGATAGGATGATTGACATGGGCTTTGAGCCA  
 GATGTGAGAAGATCCTGGAACACATGCCTGTCAGCAACCAGAAGCCGGACACAGATGAGGCTGAGGACC  
 CGGAGAAGATGTTGGCCAACTTTGAATCAGGAAAACATAAATACCGTCAAACAGTCATGTTACCGCTAC  
 TATGCCCCAGCGGTGGAGCGTCTAGCCAGGAGCTATCTTCGGCGACCTGCTGTGGTGTACATTGGCTCT  
 GCAGGCAAGCCCCATGAGCGGGTGAACAGAAGGTCTTCTCATGTGCGAATCAGAAAAGAGGAAGAAGC  
 TGCTGGCCATCTTGAACAAGGTTTTGATCCGCCTATCATATTTTTGTCAACCAGAAGAAGGTTGTGA  
 TGTGTTGGCAAGTCTCTGGAGAAGATGGGGTATAACGCTGTACACTGCATGGCGGCAAGGCCAGGAG  
 CAGCGAGAATTTGCATTGTCCAACCTCAAGGCTGGAGCCAAGGATATTTGGTGGCTACAGATGTGGCTG  
 GCCGTGGTATTGATATCCAAGATGTGTCTATGGTTGTCAACTATGATATGGCCAAAAATATTGAAGATTA  
 CATTACAGAATTGGCCGCACAGGAAGAGCGGGCAAGAGTGGCGTAGCCATCACCTTCTCACCAAGGAG  
 GACTCAGCGGTGTTCTATGAACTGAAGCAGGCCATCCTGGAGAGCCCAGTGTCTGCTGCCCTCCAGAGC  
 TGGCAAACCACCCAGATGCCAGCACAAACCTGGCACCATCCTCACCAAGAAGCGCAGGGAAAGACCAT  
 CTTTGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR221458 representing NM\_001080981  
 Red=Cloning site Green=Tags(s)

MAGELADKKDRDASPKEERKRSRTPERDRDRDRDRKSSPSKDRKRHSRDRRRGGSRSRSRSRKSVERE  
 RRHKERERDKERDRSKKERERDKDGHRRDKDRKSSLSPGRGKDFKSRKDRDSKKGDEDEHGDKRPKIQP  
 LSLEELLAKKKAEEEEAEAKPKFLSKAEREAEALKRRQQEVEERQKMLEEERKKRQFQDLGRKMLEDPQE  
 RERRRERMERETNGNEDEEGRQKIREEKDKSKELHAIKERYLGGIKRRRTRHLNDRKFVFEWDASED  
 TSIDYNPLYKERHQVQLLGRGFIAGIDLKQKREQSRFYGDLMEKRRTLEEKEQEEARLRLRKEAKQR  
 WDDRHWSQKKLDEMTDRDWRIFREDYSITTKGGKIPNPIRSWKDSSLPPHILEVIDKCGYKEPTPIQRQA  
 IPIGLQNRDIIGVAETGSGKTA AFLIPLLVWITTLPKIDRIEESDQGPYAIILAPTRELAQQIEEETIKF  
 GKPLGIRTVAVIGGISREDQGFRLRMGCEI VIATPGRLIDVLENRYL VLSRCTYVVLDEADRMIDMGFEP  
 DVQKILEHMPVSNQKPD TDEAEDPEKMLANFESGKHKYRQTMFTATMPPAVERLARSYLRRP AVVYIGS  
 AGKPHERVEQKVFLMSESEKRKLLAILEQGFDPPIIIFVNQKKGCDVLAKSLEKMGYNACTLHGGKGQE  
 QREFALSNLKAGAKDILVATDVAGRGIDIQDVSMVVNYDMAKNIEDYIHRIGRTGRAGKSGVAITFLTKE  
 DSAVFYELKQAILESPVSSCPPELANHPDAQHKPGTILTKKRREETIFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9096\\_e04.zip](https://cdn.origene.com/chromatograms/mm9096_e04.zip)

**Restriction Sites:** Sgfl-Mlul

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

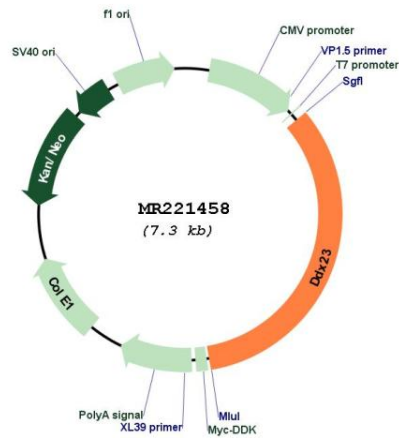
**RefSeq ORF:** 2460 bp

**Locus ID:** 74351

**Cytogenetics:** 15 F1

**MW:** 95.5 kDa

**Product images:**



Circular map for MR221458