

## Product datasheet for **MG209293**

### **Ddx52 (NM\_030096) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Ddx52 (NM_030096) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | Ddx52                                    |
| Synonyms:                 | 2700029C06Rik; ROK1                      |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>MG209293 representing NM\_030096  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATTCTACGACCTGTTTCGCCGGCTTGGAGCCGGCCCAAGTTCGACGTGAAGCGCTTCTCAGCAG  
 ACGCTACTCGATTCCAGGTAGGAAAAAGGAAATTCGATTCCGAGTCTTTGGAGGTCTGAAGGGACTAGA  
 CTTCTTCGGAAACAAGAAGTCCGTCTCAGATGAATGTGGAGCATTGCAAATACACCAGGAGCCCCAAAT  
 GAGGAGAAAAACAAGGGTCTGTGGAAAGGAGTAAGGAGCCCAAGAAGAAAAAGAGAAAGAAGATGA  
 CTTCAGAAGTTCCTGCTCAAGAAGACTTTGACGGTGGTATCCAGTGGACATCCTCTGTAGAAGCAAAGCT  
 TCAAGATGAAAAAGTCAAGTGGAGAGAAGAAGTTAACTTCAGGAAAGTTGGAACATCTCAGAAAGGAAAAAG  
 GTCAACTCTTTTCGGAACAAGCACAAGATACATGTCCAAGGAAGTATCTTCTGACCCAATTGCTACAT  
 TTCAGCAACTTGACCAGGAATATAAAATCAATTCTAGATTGCTCCAGAATATTCTAGACGCAGGCTTCCA  
 AGTGCCACACCAATTCAGATGCAAGCCATTCCAGTTATGCTGCATGGTCCGGAACTTCTGGCTTCTGCT  
 CCAACCGGATCTGGGAAGACGTTGGCATTAGCATCCCAATTTAATGCAGCTGAAACAACCAACAATA  
 AAGGCTTTAGAGCCCTGGTTATATCCCCAACCCGAGAAGTTCGAAGCCAGATTACAGAGAATTAATTA  
 AATATCTGAGGGTACAGGATTGAGAATACATATGATCCACAAAGCTGCAATAGCAGCTAAGAAATTTGGA  
 CCTAAATCATCTAAGAAGTTTGATATCCTTGTGACTACTCCAAATCGACTGATCTACTTGTGAAGCAGG  
 ATCCACCAGGGATTGACCTAACAAATGTCGAGTGGCTGGTAGTAGATGAATCAGACAACTGTTTGAAGA  
 TGGCAAACTGGGTTTAGAGAGCAGCTGGCTCCATTTTCTGGCCTGCACATCGCCCAAGGTGAGAAGA  
 GCAATGTTGAGCAAGCAACTTTTGGTACGACGTTGAACAGTGGTGAAGCTCAACCTGGACAACGTCGTTT  
 CCGTGTCCATTTGAGCAAGGAATTCGAGTGCAGAACTGTTGAACAAGAGCTTCTTTGTTGGATCTGA  
 GACTGGAAAACTTCTGGCCATGAGAGAAGTGTAAAAAGGGTTTCAAGCCACCTGTTCTTGTTCGTT  
 CAGTCCATTGAAAGAGCTAAAGAACTTTTCCATGAGCTCATATATGAAGGTATTATGTGGATGTCATTC  
 ATGCAGAAAGAACAACAGCAGCAGCAGATAACACAGTCCACAGCTTCAGAGCAGGAAAAATTTGGTTCT  
 TATTTGTACAGCCTTACTTGCAAGAGGGATTGACTTTAAAGGCGTAAACCTGGTCATCAATTATGATTTT  
 CCCACCAGCTCAGTGGAGTACATCCATAGGATAGGTCCGACTGGAAGAGCAGGGAATAGGGGAAAGGCTG  
 TTACATTTTTCTACTGAAGATGATAAACCATTACTAAGAAGTGTGCAATGTTATCCAGCAGGCTGGTTG  
 TCCTGTGCCGAATACATAAAAGGTTTCCAGAACTACTAAGCAAAACAAAAGAAAAAATGATTAAGAAG  
 CCGTTGAAAGGGAGAGCATTGTACAACCTCAAAGTACTTCTTAGAGCAAGCTAAACAGAAAAAGTTG  
 CTGGCCAAAACAGCAAGAAGAAAGAACTCTCAAAGAGAAAAAGT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209293 representing NM\_030096  
 Red=Cloning site Green=Tags(s)

MDSYDLFRRLGAGAKFDVKRFSADATRFQVGRKRFDSSELEVLKGLDFFGNKKSVSDECGALQIHQEP  
 EEKTQGVLLERSKEPKKKRKKMTSEVPAQEDFDGGIQWTSSEAKLQDEKVSGEKLLTSGKLEHLRKEK  
 VNFFRNKHKIHVQGTDLDPDIATFQQLDQYKINSRLLQNILDAGFQVPTPIQMQAIPVMLHGREL  
 LASA PTGSGKTLAFSIPILMQLKQPTNKGFRALVISPTRELASQIHRELIKISEGTGFRIHMIHKA  
 IAACKKFG PKSSKKFDILVTPNRLIYLLKQDPPGIDL TNVEWL VVDESKL FEDGKTFREQLASIF  
 LACTSPKVRR AMFSATFAYDVEQWCKLNL DNVSVSIGARNSAVETVEQELLFVGSETGKLLAM  
 RELVKKGFKPPVLFV QSIERAKELFHელიYEGINVDVIHAERTQQQRDNTVHSFRAGKIWVLI  
 CTALLARGIDFKGVNLVINYDF PTSSVEYIHRIGRTGRAGNRGKAVTFFTEDDKPLLR  
 SVANVIQQAGCPVPEYIKGFQKLLSKQKKMIK PLERESICTTPKYFLEQAKQKQK  
 VAGQNSKKKETLKEKS

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_030096

**ORF Size:** 1794 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\\_030096.2](#), [NP\\_084372.2](#)

**RefSeq Size:** 3180 bp

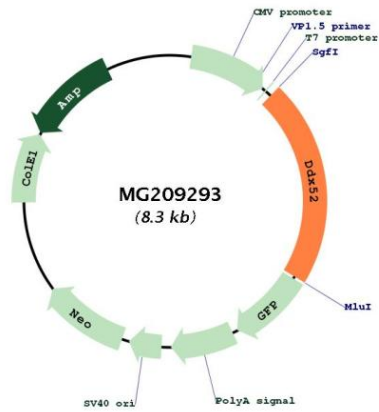
**RefSeq ORF:** 1797 bp

**Locus ID:** 78394

**UniProt ID:** [Q8K301](#)

**Cytogenetics:** 11 C

Product images:



Circular map for MG209293