

## Product datasheet for **MG209832**

### **Ddx18 (NM\_025860) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Ddx18 (NM_025860) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | Ddx18                                    |
| Synonyms:                 | 2310005B10Rik                            |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>MG209832 representing NM\_025860  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGCGAGTTACAGATGAAACTCCTGCGCAGGAAGATCGAGAAGCGGAATGCCAAGCTGCGGCAGCGAA  
 ACCTGAAGCTGCAAGAAACATCAGACACAAGCCTGTCCCAACCTCAAAATGGAGATGTGCCTAAAGAAAC  
 AGGAAAAGGTGGAAGTGAAGAAAGGCCCTGAAACGTTCTGTGCCTGTGGACTCAGCAGAAAGCACAAAGT  
 GGAGGCATGCCTGAGGAGACCTTGGAAAATGGCAAAGTAAAAAGTACCCCGAGAAACTCACAACCTTAG  
 CCAACGGAGAAGCAGCACCAACACCACCTCCTGATTCAGAAGTAAAAAGAAAAAGAAAAAGAGGAA  
 AATGGCAAATGATGCCGGCCTGATACAAAAAGCGAAAAGTGAAGAAAGTGTGAGGCTTGTGAGGAA  
 CCAGAAGATGATGAAAAAGGCAGATGACAGCGAGGTGCCAGCCTGCCCTAGGACTGACAGGTGCTT  
 TTGAGGACTTCATTTGCTTCTGTCTAATCTCGTCAATGAGAACCCCTGAAGGCCATAGAAGAAAT  
 GGGCTTCAAGCGCATGACGGAGATCCAGCATAAAAGTATCAGGCCACTTCTGGAAGGCAGGGACCTTCTG  
 GCGGCTGCGAAAACCGGCAGTGGCAAAACCTCGCTTTCCTCATCCCTGTGATCGAGCTCATTGTCAAGT  
 TGAAGTTCATGCCAGGAATGGAACAGGAGTCTGATTCTCTCTCTACCAGAGAAGTGGCCATGCAGAC  
 CTTTGGTGTCTCAAGGAGCTGATGACGCACCAGTTCACACGTATGGGCTGATCATGGCGGCAGCAAC  
 AGGTCTGCCGAAGTGCAGAAGCTCCTCAATGGGATCAACATCATCGTGGCCACGCCCGCCGGCTCCTGG  
 ACCACATGCAGAACACGCCAGGGTTTATGTACAAGAACCTGCAGTGTCTGGTTATTGATGAGGCTGACCG  
 TATCTTGGATGTTGGGTTTGAAGAAGAAATTAAGCAAATTAATAAACTTTTGGCAGCCGTAGGCAAACC  
 ATGCTCTTTTCTGCCACACAAACTCGAAAAGTTGAAGACTTGGCAAGAATTTCTGAAAAGGAGCCTT  
 TGTACGTGGGTGTTGATGACGACAAAGAGGTTGCCACAGTGGATGGCCTTGAGCAGGGCTATGTTGTTG  
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 AATACTGCTGTGACTGATGTGGCAGCCAGAGGGCTGGACATCCCCGAAGTGGACTGGATTGTTGAGTAC  
 GACCTCCCGATGACCCCAAGGAATACATTCATCGTGTGGTAGAACAGCCAGGGCCTGAATGGAAGAG  
 GGCACGCCCTGCTCATCCTGCGCCCTGAAGAGTTGGGTTTCTTCGTTACTTGAAACAGTCCAAGTTCC  
 ATTGAATCAGTTTACTTCTCCTGGTCTAAAGTTTCTGATATCCAGTCTCAGCTGAAAAACTGATCGAA  
 AAGAACTACTTTCTCCACAAGTCTGCCAGGAAGCATACAAATCCTACATAAGAGCATATGACTCTCACT  
 CTCTCAAGCAGATCTTCAACGTGAACAACCTAAATCTGCCTCAGGTTGCTCTGTCTTTTGGTTTTAAGGT  
 CCCTCCTTTTGTGATCTGAATGTGAGCAGCCATGATGGCAAGCTTAAGAAGAGAGGGCGGTGGTGGCGGA  
 TTCGGCTACCAGAAAACAAAGAAAGTGGAGAAGTCCAAGATCTTTAAACACATCAGTAAGAAGCCAGCAG  
 ACCGCAGGCAGTTCTCACAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209832 representing NM\_025860  
 Red=Cloning site Green=Tags(s)

MSQLQMKLLRRKIEKRNAKLQRNLKLQETS DTSLSQPQNGDVPKETGKGGKVKKALKRSVPVDSAE AQS  
 GGMPEETLENGKVKKSPQKLTTLANGEAAPT PPDSEVKKKKKKRKMANDAGPDTKKAKTEESA EACEE  
 PEDDVKKADDSEVPSLPLGLTGAFEDTSFAS LSNLVNENTLKAIEEMGFKRMTEIQHKSIRPLLEGRDLL  
 AAAKTGSGKTLAFLIPVIELIVKLFMPRNGT GVLILSPTRELAMQTFGVLKELMTHHVHTYGLIMGGSN  
 RSAEVQKLLNGINIIIVATPGRLLDHMQNTP GFMYKNLQCLVIDEADRILDVGFEEELKQIIKLLPARRQT  
 MLFSATQTRKVEDLARISLKKKEPLYVGVDD DKEVATVDGLEQGYVVPSEKRFLLLF TFLKKNRKKKVMV  
 FFSSCMSVKYHYELLNYIDL PVLAIHGKQKQNKRT TTTFFQFCNADSGILLCTDVAARGLDIPEVDWIVQY  
 DPPDDPKEYIHRVGR TARGLN RGRHALLILRPEELGFLRYLKQSKVPLNQFDFSWSKVSDIQSQLEK LIE  
 KNYFLHKSAQEAYKSYIRAYDSHSLKQIFNVN NNLNPQVALSFGFKVPPFVDLNVSSH DGLKLRGGGGG  
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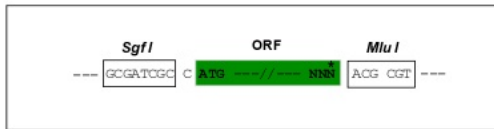
TRTRPLE - GFP Tag - V

Restriction Sites:

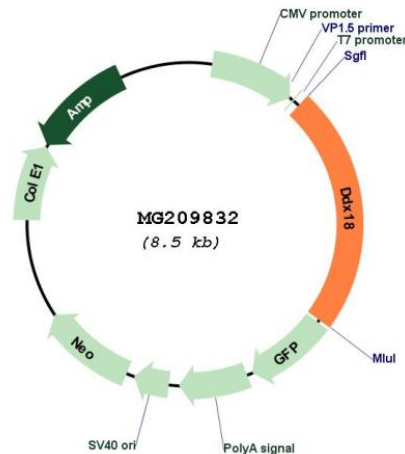
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



## Plasmid Map:



ACCN: NM\_025860

ORF Size: 1980 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\\_025860.2](#), [NP\\_080136.2](#)

RefSeq Size: 2232 bp  
RefSeq ORF: 1983 bp  
Locus ID: 66942  
UniProt ID: [Q8K363](#)  
Cytogenetics: 1 E2.3  
Gene Summary: Probable RNA-dependent helicase.[UniProtKB/Swiss-Prot Function]