

Product datasheet for **MG214768**

DXBay18 (NM_001025384) Mouse Tagged ORF Clone

Product data:

| | |
|----------------------------------|-------------------------|
| Product Type: | Expression Plasmids |
| Tag: | TurboGFP |
| Symbol: | DXBay18 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence: >MG214768 representing NM_001025384
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTCTGCAGAGTATGTAAGAGGAGAGGGGGCCCTTCTGGAGGTCCAAATACTGCCTGTGGGTGA
 GAAGATGAGAGTGAAGGAGTCCGAGGTGAGGCCCTAGACAAGTCTGAAATCATAAGCATCGCTCCTTG
 GCAGGAAAGGAGTACGGGGCAGGGGCTCGCCAGGTACAGCCAGGGCATACAGGAGAGCCCTCAAGGTGG
 CCCTGGATGTTCTGGCGAGGGAACAGCTTGTTCGAGGAGGAAGAGCAGGTGGCCAAAGAATCCAGC
 CGTGGCTCCAAAGTTCCAAAAGAGCAGGCCAGTCCAGCAGCTCCAGCCTAGTTCAGCGCCTGTGCCTC
 CAAGGGCGCAACCAGAAAGGCCAAGGGCTCTCCAGAGGAGTCTGGGAAGCGGGGCCCGGGTCCAG
 GTCTCGATGATGGCTCCAGAAATGTGCTGCAAGTGCAGCAGGGGAAGCCAGGCTCATACTGCTGT
 AGGCCCTCCCGCTCTGAAATGCAAGGGATGTGTTAAGAGGCACCAGAGTGTGGCCAAGTACTCGGAG
 ACACCTTGGGAAAAGCTGGCGGTAATCCAGGGAAGAGAAAGCCAGGTACATCCAAGCTCAGGTCTTTGA
 GTGCCCCAGCCTCCAGGAGGGTACCCGGGCTAAAAACGAGCAGCAGGCTGCCTCTGGACCACTGAGGCA
 CATCTCTATCTACCCAAAGCTCTCAAAAACGAGTTCAGTGTGCTGGCCTAGAGATCCGGGCAACTGGA
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 AGGGGCATCGGCAGCCTACACGCCTCCAGTCCCGAAGTACGAGGTCCTCCGCATAGCTAAGTCAAAA
 AAAGAAGCCCATGTGCTGTGCTGCACTGTGCGGGCTCCAGAACGGGAACCCCAAGTGCATTCAAAGGTG
 ACCAACACCAGGTTCAAGAGGAGAGGGGCCGAGTTCAAAAAGATGCCAAAGCCACCAACGTGGCTTCTG
 CCCAGGGGCCAGCACCATTGAGCGAGGAACGCTGGTCTGGTCAAATTCAGGACCTCCTTTCTGGCC
 AGCGGTGGTCAAGAGTGTGAGCGAAAATGACAAGATGGCGAGGGTGTGTTGATCGAGGGCAACATCGAG
 TTTGAGCGCAGGGGTATCCGTGTCCCTCTCCGCAAGTTGAAGCACCTGGACTGTGGGAGAAAGTATCAC
 TCGTGAGGAGAGCCAGCAGACTGTACGCCAGGGCATCAACTGGTGTCTCAGTGTGACCCACTACAG
 AGAGGCCCTTGCCCATGGCTCCTTCTGGGCTCCTTATGGACTACTACACCACCAAGCCAGTTACCCG
 CTAAGGAGAGCCGTCCAGGAGGGCGACCTGCATATCGATTTCCCAAGGTGAGCTATGCTGAATTGGAAG
 ATTGGGAGGAGGAGACCCTGGGTGGGAAGGGGCCCTACAAGAACTCTGCCCGACCGCATGAGGGC
 CGCTTGGGACAGAGCAACCAGAAGCTCGTGGACTTCATCGTGAAGAGAAAGGGGGCCGACCGACCTG
 CTGGACATCGTGAAGGGCAGAAAACGTCAGGTGGCTGGACGATCTTTGAAATCAAAGAGGGAAGTCT
 TCTGCATTGAGACCTACCTGGAGGACGAGGACCAAGTGCATCTCGTGGCCAGACATTTGCAAGAAGTGGC
 CAAGGAAGCAGACGAGGCCCTGCTCTCGTGGCAAGAGGAGACAAAGTGAAGTTTACCATGGAAGTCTT
 TTTCCAGAAGCCATCATCTGCTCCATCGTGCCTGGATGAGCTCACCTACAAGGAGGCAGAAAGAGAAGT
 ACCTGCGTGGCCACCCGTGCACTACCGTGAAGAGAGCTATTCGACAAGACCATCTAAAGCGGCCAG
 GAAGAGGTACAGCCAGGATTCGGGCTGCCAGGGACCTCCTGTGCCACTCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG214768 representing NM_001025384
 Red=Cloning site Green=Tags(s)

MDSAEYVLCGWKQLWPARVLSRPRTPANSKRRGAPFLEVQILPVGKMRVRSSEVRPLDKSEIISIASL
 AGKESRGRGSPGQTRAYRRALKVALDVLGEGTSLFQGGRAGGQRTSTVAPKVPKEQASSSSSSLGQRLCL
 QGRNQKQGLSQRSPGKRGRPGQSPAMMGSQNPAPVRAGEAQAHTAVGLPRSEMQGDVLRGTRVWPSYSE
 TPLGKAGGNPKRKPSTSKLRSLSAPASREGTRAKNEQQAASGPLRHISISPKALKKRIVQCAGLEIRATG
 AQRKTLAENKDHPPGTPKPSKASAAAYTPVPKLRSLRIASQKKKPHVLCALCGLPEREPQVHSKV
 TNTRFKRRGARVQKDAKATNVAQAQGPSTIERGTLVWFKFQDLFPWPAVVKSVSENDKMARVLLIEGNMQ
 FERRGIRVPLRKLKHLDCGEKVSIVRRASRLYAQGINWCFVVIDHYREGLAHGSLGSGFMDYTTQASYP
 LRRAVQEGDLHIDFPKVSVAELEDWEEETALGGKGPYKLLPDRMRAAWDRANQKLVDFIVKRKGADQHL
 LDIVKGRKPSRWLDDLWKSKEVFCIETYLEDEDQLHLVARHLQEVAKADEALLSLARGDKVRFMEVL
 FPEAIICSI AALDELTYKEAEKYL RPPVHYREKELFDKILKAARKRSAARIRAARDPPVPTP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001025384

ORF Size: 2085 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).

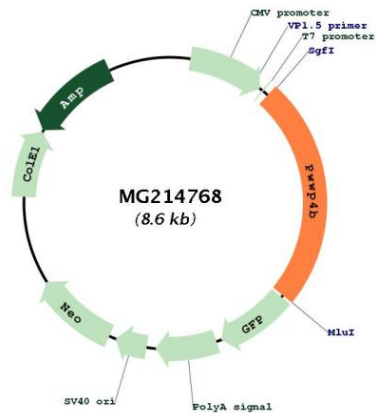
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001025384.3](#), [NP_001020555.2](#)

| | |
|---------------|---------|
| RefSeq Size: | 2862 bp |
| RefSeq ORF: | 2088 bp |
| Locus ID: | 574405 |
| Cytogenetics: | X A7.3 |

Product images:

Circular map for MG214768