

Product datasheet for **MG215327**

Dbx2 (NM_207533) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dbx2 (NM_207533) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dbx2
Synonyms: 9430056A22Rik; 9630005K15; AI846217; Gm1229
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215327 representing NM_207533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGGGCCGGACACACCTTCCATCCCAGTCTGAAAACCTGTCCGGATCTGCAGACCGTTCCCGGA
 CGCTGCCAGAGGAGCCGCTGAGGGCCAAGGACTCACCCCTCAGCCCCGATCCTGTCCGCGCCCTGTCCCT
 GTCCCTTCGCACTCGCTCACCAGGCTCCCCGGGCAGCGGGCGGCACCATGCTGCCAGCGCTGTGGCC
 GCCCAGGCCGGAGCCTACTGGGATGTGGTGGCGTCTCAGCACTTTCGGCCTTCTCGCCCGGCTTTG
 GCAGTCTGGGCAAGAGTTTCTGATCGAGAAGTCTGCTGCGCGCAGGGGCCGGCCACGCACGCACCCCC
 GCCCCACGCCACGCCCGGTCTGAGTGTCCGCAGCTGCGGCCACTGCCTGCCAGCCAGTGCCTGCTC
 AAGCTGTGCCCGCCGGACCCCTTGGTGTGCGCTGGGCCTTCCAGATGCCCCCTGGCCGGCTCCGGGG
 AGCGGGACAGTGCCTTCCAGCCCTCAGCCCAAGTGCCTTCCAAACCCCTTCTTCTGAGCGCCCCGCCATT
 CTACTCTGCATGCTGCGGTGGTCTGCAGGCGCCAGCATCCCCACAGCTTTTCAAGAGAAGAACAC
 GGGCTGCCTTGTGACCCAGGACTCAAATCCAAAGCTCGCAGGGGATTTTACGAAGAGCTGTGTCT
 CAGAGGAGCAGAGAAAGGCTCTGGAGAAAATGTTTCAGAAGCAGAAAATACATCAGAAAACAGACCGAAG
 GAAACTCGCGTCACTTGGGACTGAAGGAGTACAGGTGAAGATTTGGTCCAGAACCAGGATGAAA
 TGGCGGAATCCAAAGAAAAGGAAGTACTCTCCAGTAGGTCTCCAAGAAGTGAAGCTTCCAGGAAAGCA
 GGCTGGCACGGCCTGCCGTGGGCTGTCTCCGCAGTGCCCGTCAATATGGGAAGTCTCCAGCCACTC
 AAGTCCAAGCTGGAGGGAGGAGACTCCAGAATCTGCAGAAAGACTGACCCAGGAGAATTCAGGGTCTG
 GAAGCAGATTCCTCCGAGGTACCTGTATCTGTGCTGAGAGGGACCTAGAGACAAGCATGGACTCC
 AGAGCACCATT

ACCGTACCGGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >MG215327 representing NM_207533
 Red=Cloning site Green=Tags(s)

MDGPDTPSIPVLKTLSGSADRSRTLPEEPLRAKDSPLSPDPVRLSLSLRTRSPRLPGQARTMLPSAVA
 AQAGAYWDVVASSALFGLPAPGFGLGKSFLLIENLLRAGAGPTHAPPPRPAPGPECPQLRPLPASPVPL
 KLCAPAGPFVWRWAFQMPGRAPGERDSAFQPSAPVPSKPFLLSAPPFYSACCGGSCRRPASPTAFSREEH
 GLPLLTQDSNSKARRGILRRAVFSEEQRKALEKMFQKQKIYISKDTRRKLAVSLGLKESQVKIWFQNRMMK
 WRNSKEKEVLSRCLQEVSLEQEDRLARPAVGCPPQCPISWEVSPHSSPWREETPESAERLTQENSGVL
 EADSLRGTLYLCPKGPDRDKHGLQSTI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207533

ORF Size: 1131 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_207533.2](#), [NP_997416.2](#)

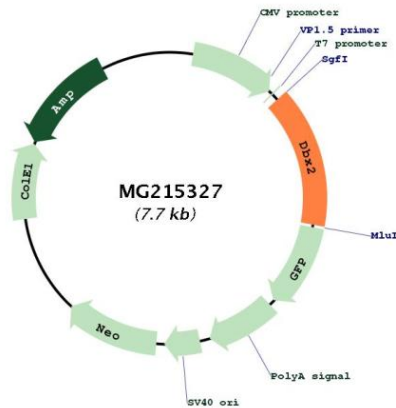
RefSeq Size: 2271 bp

RefSeq ORF: 1134 bp

Locus ID: 223843

Cytogenetics: 15 50.47 cM

Product images:



Circular map for MG215327