

Product datasheet for MR215327

Dbx2 (NM_207533) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbx2 (NM_207533) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dbx2
Synonyms:	9430056A22Rik; 9630005K15; AI846217; Gm1229
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215327 representing NM_207533 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGGGCCGGACACACCTTCCATCCCAGTCTGAAAACCCTGTCCGGATCTGCAGACCGTTCCCGGA
CGCTGCCAGAGGAGCCGCTGAGGGCCAAGGACTCACCCCTCAGCCCCGATCCTGTCCGCGCCTGTCCCT
GTCCCTTCGCACTCGCTCTCCACGGCTCCCCGGGCAGCGGGCGCGCACCATGCTGCCAGCGCTGTGGCC
GCCCAGGCCGGAGCCTACTGGGATGTGGTGGCGTCTCAGCACTTTCGGCCTTCTCGCCCGGCTTTG
GCAGTCTGGGCAAGAGTTTCTGATCGAGAAGTGTCTGCGCGCAGGGGCCGGCCACGCACGCACCCCC
GCCCCACGCCACGCCCGGTCTGAGTGTCCGCAGCTGCGGCCACTGCCTGCCAGCCAGTGCCTGCTC
AAGCTGTGCCCGCCGGACCCCTTGGTGTGCGCTGGGCCTTCCAGATGCCCCCTGGCCGGCTCCGGGG
AGCGGGACAGTGCCTTCCAGCCCTCAGCCCAAGTGCCTTCCAAACCCTTTCTTCTGAGCGCCCCGCCATT
CTACTCTGCATGCTGCGGTGGTCTGCAGGCGCCAGCATCCCCACAGCTTTTCAAGAGAAGAACAC
GGGCTGCCTTGTGACCCAGGACTCAAATTCAAAGCTCGCAGGGGATTTTACGAAGAGCTGTGTCT
CAGAGGAGCAGAGAAAGGCTCTGGAGAAAATGTTTCAGAAGCAGAAAATACATCAGAAAACAGACCGAAG
GAAACTCGCGTCACTTGGGACTGAAGGAGTACAGGTGAAGATTTGGTCCAGAACCAGGATGAAA
TGGCGGAATTCAAAGAAAAGGAAGTACTCCAGTAGGTGTCTCAAGAAGTGAAGTTCAGGAAGACA
GGCTGGCAGGCCCTGCCGTGGGCTGTCTCCGCAGTGCCCGTCAATATGGGAAGTCTCCAGCCACTC
AAGTCCAAGCTGGAGGGAGGAGACTCCAGAATCTGCAGAAAGACTGACCCAGGAGAATTCAGGGTCTG
GAAGCAGATTCCTCCGAGGTACCTGTATCTGTGCTGAGAGGGACCTAGAGACAAGCATGGACTCC
AGAGCACCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215327 representing NM_207533
Red=Cloning site Green=Tags(s)

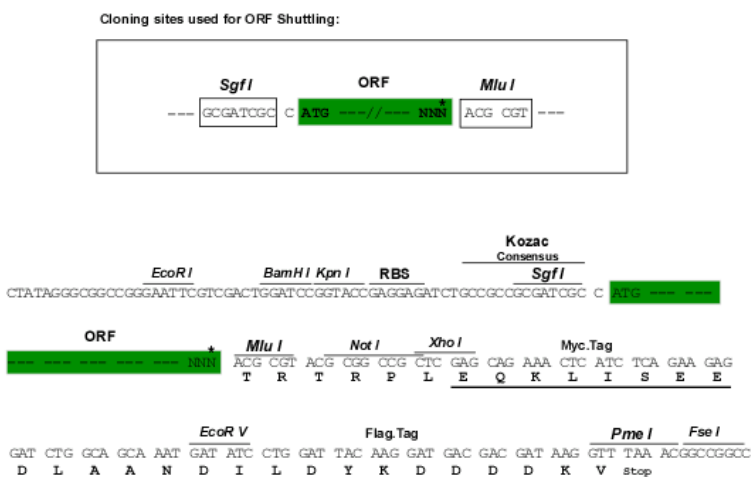
MDGPDTPSIPVLKTLSGSADRSRTLPEEPLRAKDSPLSPDPVRALSLRTRSPRLPGQRARTMLPSAVA
 AQAGAYWDVVASSALFGLPAPGFGLGKSFLIENLLRAGAGPTHAPPPRPAPGPECPLRPLPASPVPL
 KLCPPAGPFVWRWAFQMPGRAPGERDSAFQPSAPVPSPKPFLLSAPPFYSACCGGSCRRPASPTAFSREEH
 GLPLL TQDSNSKARRGILRRAVFSEEQRKALEKMFQKQYISKTDRRKLAVSLGLKESQVKIWFQNRMMK
 WRNSKEKEVLSRCLQEVSLEQEDRLARPAVGCPPQCPSEIWEVSPHSSPWREETPE SAERLTQENSGVL
 EADSLRGTLYLCPEKGRDKHGLQSTI

TRTRPLEQKLISEEDLAANDILDYKDDDDKVV

Chromatograms: https://cdn.origene.com/chromatograms/mm9092_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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

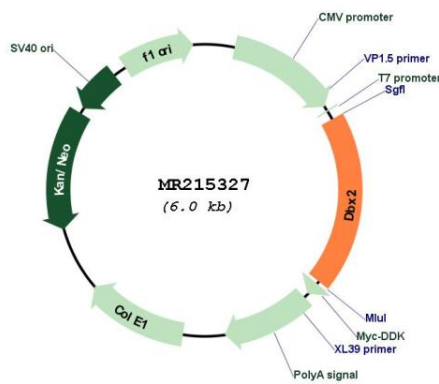
RefSeq ORF: 1134 bp

Locus ID: 223843

Cytogenetics: 15 50.47 cM

MW: 41.2 kDa

Product images:



Circular map for MR215327