

Product datasheet for **MR215335**

Duox2 (NM_177610) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Duox2 (NM_177610) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Duox2
Synonyms: A430065P05Rik; LNOX2; NOXEF2; P138-TOX; THOX2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215335 representing NM_177610
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCCAACAAGTCCCAAGACTCTAGTTCTCCTGGGCGCTCTGCTGACTGGACCCCTGGGCCAGCAG
GTGGCCAGGACGCACCCTCACTGCCCTGGGAAGTGCAGCGCTACGACGGCTGGTTAATAATCTGAAGTA
CCACCAGCGCGGTGCGGCTGGCTCGCGGCTGCGTGCCTAATACCGGCTAATTATGCTGACGGTGTAT
CAGGCTCTGGAAGAGCCGCTACTGCCAACCCCTCGCCGGCTAAGCGATGCTGTCGCTAAGGGCAAAGCAG
GGCTGCCCTCGGTCCACAACCGCACAGTCTGGGGTCTTCTTTGGCTACCACGTCTCAGACCTGGT
GAGTGTGAAACACCAGGCTGCCCGCAGAGTTCTCAACATTTACATCCACGTGGGGACCCGGTGTT
GACCCGTGACAAGCGCGGGAACGTGGTGCTGCCCTTTCAAAGGAGCCGCTGGGACCAACACTGGACAGA
GCCCCAGCAACCCCGGGACCAGAGCAACCAGGTGACCGGCTGGCTAGATGGCAGCGCCATCTATGGCTC
CTCTCATTCTGGAGTGACACTCTGAGGAGCTTCTGAGGACAGCTGGCTTCTGGGCTGACCCCTGCT
TCCCCGGAACCTCCAGAGCTCTGCTCATGTGGATGGCGCCGGACCCCTCCACGGGGCGGGCGGGC
CACAAGGGGTGTATGCCTTTGGGGCCAGCGCGGAACAGGGAGCCCTTCTGCAGGCTCTGGGCTTGT
GTGTTTCGCTACCACAACCTGTGTGCCAGGAAGTGGCGCAGGAGCACCAGCTGGGGGATGAGGAA
CTGTTCCAGCATGCTCGCAAGAGGTCATTGCCACCTACCAGAACATTGCTCTATACCAATGGCTGCCCA
GCTTCTGCAGAAAACCTCCAGAGTATTCAGGGTACCGCCCTTTCATGGACCCAGCATCTCCCGGA
GTTCTGGTGGCCTCTGAGCAGTTCCTCTACTATGGTGCCCTGGGGTCTACATGAGAACTCCAGC
TGTCAATTCGGAAATCCCGAAGGAAGTTCCAGACAGCTCTCCAGCTCTCAGAGTCTGCAACAGCTACT
GGATTCGGGAGAACCCCAATCTGAAGACTGCTCAAGATGTGGATCAGTTGCTGCTGGGAATGGTTCCCA
GATCTCAGAGCTGGAGGACAGGATAGTATTGAAGACCTGAGAGATTACTGGCTGGCCAGAGAGATTC
TCTCGCACAGACTACGTGGCTAGCAGTATCCAGCGTGGCCGAGATATGGGGCTCCCCAGTTATAGCCAGG
CTCTGCTGGCCTTGGGACTGGAGCCTCCTAAGAACTGGAGTCTCAACCCCAAGTGAACCCAGGT
GCTGGAGGCCACAGCTGCTGTACAACCAGGACCTGTCCAGTTGGAACACTCTCTGGGTGGACTCTG



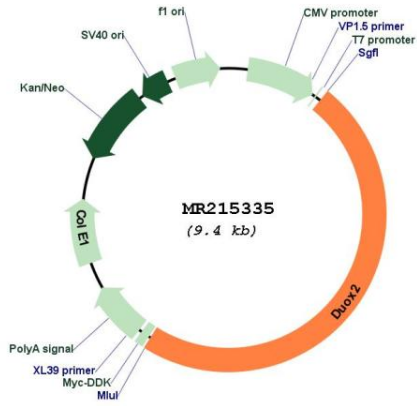
[View online »](#)

GAGAGCCATGGGGACCCTGGACCTCTATTCAGCAACATCATTCTTGACCAGTTTGTGAGGCTCCGGGATG
 GTGATCGCTACTGGTTTGAAGAACTAGGAATGGGCTGTTCTCCAAGAGGAGATTGCAGAAATCAGAAA
 CACCACCTTGCGGGATGTACTGGTAGCTGTCTCCAATGTGGACCCAGTGCCTTGAACCCAACGTTTTC
 TTCTGGCAGGAAGGTGCACCCTGCCACAGCCTCGGCAACTCACAAACGGACGGCTTGCCCAAGTGTGCGC
 CTGTTACTGTGATTGACTACTTTGAGGGCAGTGGTGTGGCTATGGTGTACAGCTGTAGCTGTCTGCTG
 CTTTCCATTAGTGAGTCTGATTGTGCTGGGGTGGTGGCTCATTCCGGAACCGAGAACAAGATGCTA
 CTAAGAAGGCAAAGAGAGTCTGAAGAAACAACCAGCCAGTATGGGGTACCAGCAATGGAGTGGCCGG
 GCCCAAGGAGAAGAGCTATCCAGTCACTCTCCAGTTGCTTCCAGACAGAAGTCTGCAGGTCCTTGACAA
 ACGGTTCACTGTGCTCCGGACCATCCAAGTGCAGTCCCCACAGCAGGTTAACCTCATCTGTCCAGCAAC
 AGTGGACGTGCGACCCTGCTGCTCAAGATCCCCAAGGAGTATGACCTGGTGTGATGTTAACTCTGAAG
 AGGACCGGGTGCCTTCGTGCGGCTGTTGCAAGACCTCTGTATCTGCTGCACTCCCGCCTCCACATAGC
 TGAGGTGGATGAGAAGGAGCTATTGAGAAAGGCTGTGACCAAGCAGCAACGGGCAGGCATCTTGAGATC
 TTCTTCAGACAGCTTTTTGCTCAGGTGTGGACATCAACCAGGCTGATGCAGGGACTCTGCCCTGGACT
 CATCCCAGCAAGTGCCTGAGGCTCTGACCTGTGAGCTGAGCAGAGCTGAGTTTGTGACTCCCTAGGCT
 CAAGCCCCAGGACATGTTTGTGGAGTCCATGTTTTCTCTGGCTGACAAGGATGGCAATGGCTACATATCC
 TTCCGGGAGTTTCCCTGGACATCCTGGTGGTCTTCATGAAAGGCTCCTCAGAGGATAAGTCCCAGCTGATGT
 TTACCATGTATGACCTGGATGGGAATGGCTTCTCTCCAAGGACGAGTTCTTACCATGATGCGGTCCCT
 CATTGAGATCTCCAACAACCTGCCTGTCCAAGGCCAGCTGGCTGAGGTGGTTGAGTCTATGTTCCGGGAG
 TCTGGGTTCCAGGACAAGGAGGAGCTGACCTGGGAGGACTTCCACTTCATGCTGCGGGACCACGACAGTG
 ATCTCCGATTCACACAGCTCTGTGTCAAAGGTGGAGCTGGAGGCACCAAGGACATCTTTAAACAAAGCAG
 TGCTGTGCGAGTCTGTTTCAACCGGACTCCTGGGAACAGGGTAATGGGGCCCTCTCCCGGCTGTAC
 ACGGAGGCACTGCAGGAGAAAAACAGAGTGGCTTCTGGCCAGAAGTCAAGCAGTACAAGCGATTTG
 TGGAAAACTACCGGCCACATTTGTGTGTTACAATCTTCTCAGCCATCTGCATAGCCCTGTTTGCAGA
 CCGTGCCTACTACTATGGCTTTGCTCACCACCACGGACATCGAAGAAACCACCTATGTGGGCATCATC
 CTGTCCCGGGGACGGCGCCAGCATCTCCTTCATGTTCTCCTACATCCTGCTCACCATGTGCCGAACC
 TCATCACCTTCTTGCGGGAGACCTTCTCAACCCTACATCCCCTTTGATGCCGCTGTGGACTTCCATCG
 CTGGATTGCTATGGCTGCAGTTGTCTAGCTGTTCTGCACAGTGTGGACATGCAGTCAATGTGTACATT
 TTCTCAGTCAGTCCCCTCAGCCTGATGGCTGCGTCTTCCCTAACGTCTTTGTAATGACGGGTCCAAGT
 TTCCCCAAAGTACTACTGGTGGTTCTTTGAGACAGTCCAGGTATGACAGGAGTCTCCTGCTCCTGGT
 CCTGGCCATCATGTACGTCTTCGCCTCCCACCCTTCCGGCCACAGTTTCCGGGGCTTCTGGCTGACC
 CACCACCTCATGTTGTGCTTTATGTCTGATCATCATCCATGGCAGCTATGCCCTCATCCAATTACCCA
 GCTTCCACATCTACTTCCCTGGTCCCAGCAATTATCTATGGAGGGGACAAGCTAGTGAGCCTGAGCCGGAA
 GAAGGTGGAGATCAGTGTGGTGAAGGCGGAGCTGCTGCCTTACGGGGTGACCTACTTGCAGTTCAGAGA
 CCCAAGACATTTGAGTACAAATCAGGGCAGTGGGTGCGAATCGCGTGCCTGGATCTGGGTACCAATGAGT
 ATCACCCCTTACGCTGACCTCTGCACCCCATGAGGACACACTCAGCCTGCACATCAGGGCTGTGGGACC
 TTGGACTACTCGCTCAGAGAGATCTACTACCCCAAGTGGGTGGCACCTGTGCCAGATACCCAAAGCTG
 TACCTCGATGGACATTTGGAGAGGGCCATCAGGAGTGGCATAAGTTTGGAGTGTGAGTGTGGTAGGAG
 GGGGCAATGGAGTCAACCCCTTTGCCTCCATCCTCAAAGACCTGGTCTTCAAATCGTCCATGGGCAGCCA
 GATGCTCTGTAAGAAGATCTACTTCATCTGGGTGACAAGGACTCAGAGGCAGTTTGAAGTGGCTGGCTGAC
 ATCATCCGGGAGGTGGAGGAGAATGACTGCCAGGACCTGGTGTCTGTGCACATCTACATTACTCAGCTGG
 CTGAGAAGTTCGACCTCAGGACCACCATGCTGTACATCTGTGAGAGGCACTTCCAGAAGGCGCTGAACAG
 GAGTTTGTTCACGGGCTGCGTTCCATCACCCTTTGGTTCGCCCTCCCTTTGAGCTCTTCTTAACTCT
 CTACAGGAAGTCCATCCACAGGTACGTAAGATTGGAGTCTTACGCTGTGGTCTCCAGGGATGACCAAGA
 ATGTGGAGAAGGCTGCCAGCTCATCAACAGGCAGGACCGGGCCACTTTGTGCATCATTATGAGAACTT
 C

ACGCGTACGGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

| | |
|-------------------------------|--|
| ORF Size: | 4551 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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: | <ol style="list-style-type: none"> 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_177610.2 , NP_808278.2 |
| RefSeq Size: | 4554 bp |
| RefSeq ORF: | 4554 bp |
| Locus ID: | 214593 |
| Cytogenetics: | 2 E5 |
| MW: | 172.1 kDa |

Product images:



Circular map for MR215335