

## Product datasheet for **RR210068**

### Duoxa1 (NM\_001107767) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Duoxa1 (NM_001107767) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Duoxa1
Synonyms:	RGD1306601
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210068 representing NM_001107767 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCTCTTGGACACAGCTGCCCTTCTACACTGGCCCCAAGCCAACCTTCCAATGGACACCACTT  
TAGCTGTTATTATCAAACTCTTCTGACTGCCCTGGTACCTTCATCATCATCTGCCTGGCATCCGTGG  
GAAGACAAGGCTGTTCTGGCTGCTACGGGTGGTGACCAGCTTATTCATCGGGGCTGTGATCCTGGCTGTG  
AATTTTCAGTTCTGAGTGGTCTGTGGCCATATCAACACCAACACAACCTACAAAGCCTTCAGTCCCAAGC  
GGGTCAGCGTGCACGTGGGACTGCAGATTGGGCTCGGAGGACTCAACATCACCCCTCACAGGGACCCAGT  
GCAGCAGCTGAATGAAACCATCAACTACAATGAGGAGTTCACATGGCGCCTGGGCAAGAGCTATGCAGAG  
GAGTATGCCAAGGCCTTGAGAAGGGCCTTCCAGACCCGGTGTATACCTGGCTGAGAAGTTTGCCCTC  
GAAGCCCTTGTGGCTGTACAACAGTACCGCCTGGCAGGACACTACGCCTCAGCCATGCTGTGGGTAGC  
ATTCCTCTGCTGGCTGTGGCAATGTGATGCTGTCTATGCCAGTGTGGTTTATGGTGGCCACATGCTG  
CTGGCCACTGGCCTCTCCAGCTGTTGGCACTGTTCTTCTTCCATGACCACGTCACATGTCCTGCC  
CGCTGCGCTTGGGCACTGCTGTACTGTACACTCACCATGGGCCTGCTTTCTGGATCACATTAGCCACAGG  
ACTGCTGTGCATTCTGCTTGGCCTGGTCATGGCAGTGGCCACAGGATGCAACCTCACAGACTGAAGCT  
CTTTTCAACCTGAGCTCAGAGGACCCCATGTTGGAGTGGGCTCTGAAGAAGGGGACTCCTGAGCCCC  
ACTACCGTCCATAGCTGAGAGTCCGGAGACTCAGGACATTCATGTCAGAGGCTTCTCTGAGACGTG  
TCTTAAAGAGGAATGCCTCAAAGAGTCCGACTGTTCCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210068 representing NM\_001107767  
 Red=Cloning site Green=Tags(s)

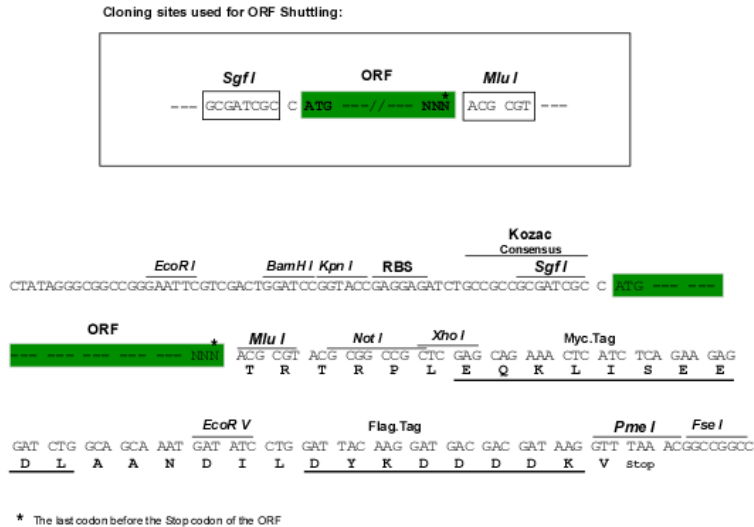
MAALGHTLPFYTGPKPTFPMDTTLAVIITIFLTALVTFIIILPGIRGKTRLFWLLRVVTSLSFIGAVILAV  
 NFSSEWSVGHINTNTTYKAFSPKRVSVHVLQIGLGGLNITLTGTPVQQLNETINYNEEFWRLGKSYAE  
 EYAKALEKGLPDPVLYLAEKFAPRSPCGLYNQYRLAGHYASAMLWVAFLCWLLANVMSMPVLYVGGHML  
 LATGLFQLLALFFFMTTSLMSCPLRLGTAVLYTHHGPAFWITLATGLLCILLGLVMAVAHRMQPHRLKA  
 LFNLSSEDPMLEWGSEEGLLSPHYRSIAESPETQDIPMSEASSETCLKEECKESDCSL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1772\\_b05.zip](https://cdn.origene.com/chromatograms/ja1772_b05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001107767

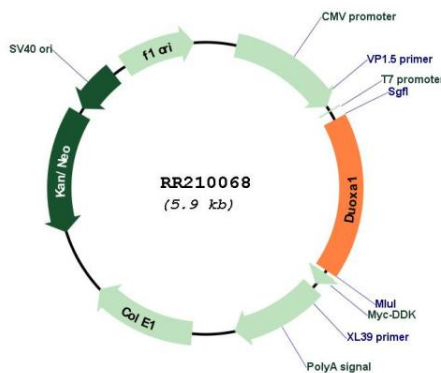
**ORF Size:** 1020 bp

**OTI Disclaimer:** 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_001107767.1](#), [NP\\_001101237.1](#)
- RefSeq Size:** 1665 bp
- RefSeq ORF:** 1023 bp
- Locus ID:** 311374
- Cytogenetics:** 3q35
- MW:** 38 kDa

**Product images:**



Circular map for RR210068