

Product datasheet for RN201755

Duox2 (NM_024141) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Duox2 (NM_024141) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Duox2
Synonyms:	Thox2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201755 representing NM_024141 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTCCAACAAGTCTCAAGACATTGGTGTCTCTGGGCGCTCTGTTGACTGGACCCCTGGGCCAGCAG
GTGGCCAGGATGCACCCCTACTGCCCGGGAAGTGCAGCGCTACGACGGTGGTTAATAATCTCAAGTA
CCACCAGCGCGGTGCAGCTGGCTCGCAGCTGCGTGCCTAGTACCTGCTAATTACGCTGACGGTGTAT
CAGGCTCTGCAGGAGCCGCTACTCCCAACGCTCGCCTGCTAAGCGACGCTGTCAGTAAGGGCAAAGCAG
GGCTGCCCTCGGCGCACACCCGCACAGTCTGGGCTCTCTTTGGCTACCACGTGCTCTCAGACCTGGT
GAGTGTGGAACACCAGGCTGCCCGCAGAGTTCTCAACATTTACATCCACGTGGGGACCCAGTGT
GACCCGTGACAAGCGCGGGAACGTGGTGTGCCCTTTAGAGGAGCCGCTGGGACCCGACGACTGGACAGA
GCCCTAGCAACCCCGAGACCTGACCAACCAGGTGACTGGCTGGTTAGATGGCAGCGCCATCTATGGCTC
CTCTCATTCTGGAGCGACACTCTGAGGAGCTTCTCTGGAGGACAGCTGGCTTCTGGCCCTGACCCGTCT
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GTGGTTTCGATACCACAACCTGTGTGCCAAGAGGCTGGCGAGGAGCACCCACACTGGGGGATGAGGAG
CTGTTCCAGCATGCTCGCAAGAGGGTCAATGCCACTTACCAGAACATTGCTCTATAACCAATGGTTGCCCA
GCTTCTCGAGAAAACCCCCAGAGTATTCCGGGTACCGCCCTTTCATGGACCCAGCATCTCCCCAGA
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TGTCACTTCCGGGAATCCCAAAGGAAGTTCCAGCAGCTCTCCAGCTCTCAGGGTCTGCAACAATACT
GGATTCGGGAGAACCCAGTCTGAAGACTGCTCAGGACGTGGACCAGCTGCTGCTGGGAATGGCTCCCA
GATTTAGAGCTGGAGGACAGGATAGTATTGAAGATCTGAGAGATTACTGGCCTGGCCAGACAGATAC
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GAGAGCCATGGGGACCCCTGGACCTATTACAGAACATCATTCTTGACCAGTTTGTAAAGGCTCCGGGATG



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GTGATCGCTACTGGTTTGAGAACACTAGGAACGGGCTGTTCTCCAAGGAGGAGATTGCAGAAATCAGAAA
 CACCACCTTGC GGAGTACTGGTAGCTGTCTCCAATGTGGACCCAGTGCCTTGACGCCAATGTTTTCT
 TTCTGGCAAGAAGGTGCACCCCTGCCACAGCCTCAGCAACTCACAAGTGAAGGCTTGCCCAAGTGTGTGC
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 AAGGCTCACTGTGCTCCGTACCATCCAAGTGCAGCCACACAGCAGGTCAACCTCATCCTGTCCAGCAGC
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 AGGACCGGGATGCCTTCGTGCAGCTGTTGCAAGACCTCTGCGTCTGCTCCACTCCCGGCCTCCGCATAGC
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 ACGGAAGCACTGCAGGAGAAAAATGCAGAGGGGCTTCTAGCCAGAAGCTCAAGCAGTTCAAGCGGTTTG
 TGGAAAACCTACCGGCCACATCGTGTGTGTTACAATCTTCTCAGCCATCTGCGCAGGCTGTTTGCAGA
 CCGTGCCTACTACTATGGCTTTGCTCGCCACCCAGGACATGAAGAAACCACCTATGTGGCATCATC
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 TCATCACCTTCTGCGGGAGACCTTCTCAACCGCTACATTCCCTTTGATGCCGCTGTGGACTTCCACCG
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 CCTGGCTATCATGTATGTGTTTGCCTCCACCCTTCCCGCCACAGTTTCCGGGGCTTCTGGTTGACC
 CACCACCTCTATGTTGTGCTTTATGCCCTGATCATCATCCATGGCAGCTATGCCCTCATCCAATTACCCA
 GCTTCCACATCTACTTCTGGTCCCGCCATTATCTATGTGGGGACAAGCTGGTGTGAGCCTGAGCCGGAA
 GAAGGTGGAGATCAGTGTGGTGAAGTTGAGTGTGCTTCCAGGGGTGACCTATCTGCAGTTCACGCGG
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 ACCACCCCTTACGCTGACCTCCGCACCCCATGAGGACACACTCAGCCTGCACATCCGGGCTGTGGGACC
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 TACCTCGATGGACATTCCGAGAGGGCCACCAGGAATGGCACAAGTTTGGAGTGTGCGGTGCTGGTAGGAG
 GGGGCAATTGGGGTCAACCCCTTTGCCTCCATCTCAAAGACCTGGTCTTCAAATCGTCCATGGGTACCCA
 GATGCTATGTAAGAAGATCTACTTATCTGGGTGACAAGGACTCAGCGGCAGTTTGTAGTGGCTGGCTGAC
 ATCATCCGGGAAGTGGAGGAGAATGGCAGCCGGACCTGGTGTCTGTGCACATCTATCACTCAGCTGG
 CTGAGAAGTTTGACCTCAGGACGACCATGTGTACATCTGTGAGAGGCACTTCCAGAAGGTGCTGAACAG
 GAGTCTGTTACGGGCTGCGCTCTGTCAACCCACTTTGGTGCCTCCCTTTGAGCTCTTCTTAGACTCT
 CTGAGGAGGTTTCCACAGGTACATAAGATTGGTGTGTTTCTGAGTGTGGTCTCCAGGGATGACCAAGA
 ATGTGGAGAAGGCTGTGAGTCAACAGGCAGGACCGGGCCACTTTGTGCATCATTATGAGAACTT
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_024141
 Insert Size: 4554 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_024141.1</u> , <u>NP_077055.1</u>
RefSeq Size:	5689 bp
RefSeq ORF:	4554 bp
Locus ID:	79107
UniProt ID:	<u>Q9ES45</u>
Cytogenetics:	3q35
Gene Summary:	a thyroid NADPH oxidase flavoprotein [RGD, Feb 2006]