

Product datasheet for **RN203031**

Duox1 (NM_153739) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Duox1 (NM_153739) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Duox1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203031 representing NM_153739 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGTCTACTCAGCTGTGGCCTGGATCCTCCTTTTTGGGGTGTGGCTTCTTTGGGAGCTCAGAATC
CCGTTTTCTGGGAGGTCCAGCGATTTGATGGATGGTATAACAACCTCATGGAGCACAGATGGGGCAGCAA
AGGCTCTCGGCTGCAGCCTTTGTTCCGGCCAGCTATGCAGATGGTGTGTACCAGCCTTGAGAGAACC
TACCTGCCTAACCCCGACACCTTAGCAACAGGGTCATGAGAGGTCCCGCAGGGCAGCCGTCTTTCGGA
ACCGTACAGTCTGGGTGTCTTCTTCGGCTACCAGTGTCTTCAGACCTGGTGTGTGGAAACACCAGG
CTGCCCGCAGAGTTCCTCAACATTTACATCCCAGTGGGGACCCAGTGTGGACCTGACAAGCGCGGG
AACGTGGTGTGCCCTTTCAGAGGAGCCGCTGGGACCGCAGCACTGGACAGAGCCCTAGCAACCCCGAG
ACCTGACCAACCAGGTGACTGGCTGGCTAGATGGCAGCGCCATCTATGGCTCCTCTATTCTGGAGCGA
CACTCTGAGGAGCTTCTCTGGAGGACAGCTGGCTTCTGGCCCTGACCCTGCTTTCCCGAGGAACTCCAG
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CCTGTGTGCCAAGAGGCTGGCGCAGGAGCACCCACTGGGGGATGAGGAGCTGTTCCAGCATGCTCGC
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GCCAATCGTAACTCAAGTGTCTCTGGAGCTCTCCGGTTTGCAACAGCTACTGGAGTCGAGAGAACCCCA
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CCACCTAGTCGTTGAGGATGTGCAAGATTTTTGGCCCGGACCCTGAAGTTTTCCCGTACAGACTACCTG
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TGCTCCTGTTTTCCCACTGGCAGGACATCAACCTGCACTCTCGAGGAGCAATGGCACTGTGCTGGAGGC
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ATTGGTTTGAAAACAACAGAAATGGATTGTTCTCTAAGGAAGAGATTGCAGAGATCCGAAACACTTCCCT
ACGGGATATTCTAGTGGCTGTACCAACGTGGACCCAGTGCCTACAGCCAGTGTCTTCTTTGGCT



GCAGGAGACCCCTGTCCACAGCCAAGCCAGCTCAGCACCCAGGGCCTGCCAGCCTGTGCCCCCTTTCG
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 GACCGCCAGAGCATCATGTGCGAGAAGCTTGTAGGGGAGTGGAAAGCTTTGGAGTGGCAGGGCCGAAGG
 AACCTGTAGGCCAGTGCCTGTGCACCTACAGCCTGGACAGATCCGAGTCGTGGATGGCAGGCTCACTGT
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 TATGTTTGTGGAGTCCATGTTTTCTCTGGCCGACAAGGACGGCAATGGCTACCTGTCTTCCGGGAGTTC
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 CACAGCTCTGTGTCAAAGGGGTGGAAGTGCCGGAAGTGATCAAGAACCTCTGCCGGAGAGCCTCCTACAT
 CAGCCAGGAGAAGATCTGCCCTTCACTAGAATGAGCGCCATTGTGCCGAAAACAATACGAAGACAGCG
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 AAAAGGTAACCTCATTCCAGCCCTTACTGTTCACTGAGGCGCACCCGAGAGAAGTTTCAACGCAGCCGCCG
 CCACCAAACCGTGCAGCAGTTCAAGCGCTTCAATGAGAATACAGGCGCCACATTGGCTGTGTGGCAGTG
 TTCTACACCATCACTGGGGCGCTCTTCTGGAGAGAGCCTACTACTATGCGTTTGGCCGCGACCCACAGCG
 GCATCACCGATACTACCGTGTGGGCATCATCTGTCCGAGGCACGGCGCCAGCATCTCTTTCATGTT
 TTCCTACATTTTGTCACTATGTCCGCAACCTCATCACCTTCTGCGGGAGACCTTCTCAACCGCTAC
 ATTCCTTTGATGCCGCTGTGGACTTCCACCGTTCATCGCCTCCACAGCCATCATCCTTACAGTCTTAC
 ACAGTGTGCCACGTAGTGAATGTGTACTGTTCTCCATCAGCCCCCTCAGTGTCTCTTGCCTCTT
 CCCTGACCTCTTCCACGATGACGGGTCCGAGTTCCTCAGAAGTATTACTGGTGGTTCTTCCAGACTGTG
 CCAGGTCTCACTGGGGTCTGCTGCTCCTGGCCCTGGCCATCATGTATGCTTTCGCTTCCACCCTTCC
 GCCCGCAGTTTCCGGGGCTTCTGGCTGACCCACCACCTCTACATTTTCTCTACATCTGCTCATCAT
 CCATGGCAGCTTGTCTGATCCAGATGCCCGATTCCACATCTTCTTCTGGTCCCGCCATTATCTAT
 GTGGGGACAAGCTGGTGAAGCTGAGCCGAAGAAGTGGAGATCAGCGTGGTGAAGGCTGAGCTGTGCTG
 CTTCAGGAGTGACCCACCTGCGGTTCCAGAGGCCCCAGGGCTTTGAGTATAAGTCAAGGCGAGTGGGTTCCG
 AATTGCATGCCTGGCTCTGGGAACCACCGAGTACCACCCTTTCACACTGACTTCTGCACCCACGAGGAC
 ACACTCAGCCTGCACATCCGGGCAGCTGGACCCTGGACCACCCGCTCAGGGAGATCTACTACCCCCAA
 CGGGTGACACCTGTGCCAGATACCCAAAGCTGTACCTCGATGGACCATTGGAGAAGGCCACCAGGAGTG
 GCATAAATTTGAGGTGTCAGTACTAGTGGGAGCTGGAATTGGGGTCAACCCCTTTGCCTCCATCTCAA
 GACCTGGTTTTCAAGTCACTCAGTCACTGCAAGTGTCTGTGAAGAAGATCTACTTATCTGGGTGACAA
 GGACTCAGCGGAGTTTGAAGTGGCTGGCTGACATCATCCGGAAGTTGAGGAGAATGACAGCCGGGACCT
 GGTGTCTGTGCACATCTATCACTCAGCTGGCTGAGAAGTTTGACCTCAGGACCACCATGCTGTACATC
 TGTGAGAGGCACTTCCAGAAGGTGCTGAACAGGAGTCTGTTACGGGCTGCGCTGTACCCACTTTG
 GTCGCCCTCCCTTTGAGCCCTTTTTCAACTCTCTGCAGGAGGTCCACCCCAAGTGCGAAAAGATTGGAGT
 ATTTAGCTGTGGTCCCCCTGGCATGACCAAGAAGTGGAGAAGGCTGTGAGCTCATCAACAAGCAGGAT
 AGGACTCACTTCTCACCATTATGAGAACTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_153739
Insert Size: 4656 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_153739.1</u> , <u>NP_714961.1</u>
RefSeq Size:	5212 bp
RefSeq ORF:	4656 bp
Locus ID:	266807
UniProt ID:	<u>Q8CIY2</u>
Cytogenetics:	3q35
Gene Summary:	human homolog is a NADPH oxidase of the thyroid [RGD, Feb 2006]