

## Product datasheet for **SC215417**

### **DUOX2 (NM\_014080) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	DUOX2 (NM_014080) Human 3' UTR Clone
Symbol:	DUOX2
Synonyms:	LNOX2; NOXEF2; P138-TOX; TDH6; THOX2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014080
Insert Size:	1530 bp



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**Insert Sequence:** >SC215417 3'UTR clone of NM\_014080  
The sequence shown below is from the reference sequence of NM\_014080. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACTTCATGCACCACTATGAGAATTCTGAGCCTGCCTCCTGGCTGCTGCTTCCAGTATCCTGCCTT
CTCTTCTGTGCACCTAAGTTGCCAGCCCTGCTGGCAATCTCTCCATCAGAATCCACCTTAGGCCTCAG
CTGGAGGGCTGCAGAGCCCTCCCAATATTGGGAGAATATTGACCCAGACAATTATACAAATGAGAAAA
GGCAGGAGACTATGTTCTACAATTGCAGTGCATGATGATTATAAGTCCACCTGTTTATCAACGGCACCA
TTCCTGCAGCCCTCCAGACTTCTGCCCTTAGCAAGTGCGCAACCAGTCAGGATCTCCAAAAGAAGATA
AAGACCACTCCTACCCAGCTCAAGCCATGGCAGGCGTGGCAAGCAAAGTGGGGAGGAGACAGTCCCT
GCTTGTGACAAGTGTGGAGGTGAAAAGGTACAATAGTGTCTCCGATAGCTCCACATCTCTAAT
TGACTTCCACAAAATCGATGCGTTGCTTTGGTATTTGCTTGGACTGACATTTGAGGGAGGAGGAGGCTG
GGATCCTCTGGCTGAGAATCTCCTCAGAGCCAGTGCAGAAGCTGTGATGCTTAGAACCTGGACAGCCC
GACTGCCTCAACTCTGTCTCCAGGTCTATTCCCTCCAGCTCCAAAAGGAGCAGCCCTACTTCTACCCTT
TCCCGTCCCAAAGTGTGAGCAACTTTGAGGAGGGCACCAGGAAACAAAGATGCCTCCCAAGCCCTGAT
ATTCTTGATGTCACCACTGATACCACTGCCCTGACCCCTGGGCAGGCCCTCTCTGCATCTACTGGAG
TGGTCCCTGGGCTCTGGGGCTGAAGGATCCAGCCTCTCTGCCAGATATTCAGTACTCGATCTCAATTC
CCCTCTTCCACAAGAGTTGGGTGACCAGCTGTCTAGTTTGGCCAGGACTCTCCCTGTTTTAGCACTGA
AAGTCTCTTGGCCAGGAAACCCCATCAGTCCCAGGCAGATTGGGACAGCTGGTCACTTACGCAAGAG
CCAGGCTGAAACATCCCCTCCATACTCAGCTCTTAACTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCC
TAAAAAGCTGAGCTGTAAAAATATTTTACATCGAGGTATAATAAAATATCATGTACATGTTTTACCACCA
CCCAGGTCAAGACATAGAAATGTTTCAACATTTCCATCACCCAGAAACTCCCCTTGTACCCCTTCCAC
TTCGTCTCCCTAGCTCCTAGAAGCAACCACTGATGTGATTTCTACCAAATCCAGTTTTGGTCTACTA
AATATACTCTTTTGGACTGGCCTCTTTTACTCACCATAATGCCTTTGTAATTCATCCATGCTGTTGTG
TGTATCAGCAGTTTGTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT
ATTCTTCTGTTGATGGACGTTTGGGTTGTTTCTAATTTTGAATGATTATAAATAAAAATTCTGTGAGTG
TTCTTGTACCTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_014080.5](#)

**Summary:** The protein encoded by this gene is a glycoprotein and a member of the NADPH oxidase family. The synthesis of thyroid hormone is catalyzed by a protein complex located at the apical membrane of thyroid follicular cells. This complex contains an iodide transporter, thyroperoxidase, and a peroxide generating system that includes this encoded protein and DUOX1. This protein is known as dual oxidase because it has both a peroxidase homology domain and a gp91phox domain. [provided by RefSeq, Jul 2008]

**Locus ID:** 50506

**MW:** 56.7