

## Product datasheet for **RN210772**

### **Nox1 (NM\_053683) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nox1 (NM_053683) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nox1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210772 representing NM\_053683  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAAACTGGCTGGTTAACCACTGGCTCTCAGTTTTGTTTCTGGTTTCTGGTTGGGGCTGAACATTT  
 TTCTGTTTGTGTACGTCTTCTGAATTATGAGAAGTCTGACAAGTACTATTACACGAGAGAAATTCGCG  
 AACTGCCTTGGCCTTGGCCAGAGCATCTGCTTTGTGCCTGAATTTAACAGCATGGTGATCCTGATTCTCT  
 GTGTGTCGAAATCTGCTCTCTTCTGAGGGGCACCTGCTCATTTTGCAACCACACGCTGAGAAAGCCAT  
 TGGATCACAACCTCACCTTCCATAAGCTGGTGGCATATATGATCTGCATATTCACAGCTATTCATATCAT  
 TGCACATCTATTTAACTTTGAACGCTACAGTAGAAGCCAACAGGCCATGGATGGATCTCTTGCTCTGTT  
 CTCTCCAGCTATTCCATCCCGAGAAAGAAGATTCTGGCTAAATCCCATCCAGTCTCCAAACGTGACAG  
 TGATGTATGCAGCATTTACCAGTATTGCTGGCCTTACTGGAGTGGTCGCCACTGTGGCTTTGGTTCTCAT  
 GGTAACCTCAGCTATGGAGTTTATCCGAGGAATTATTTTGGCTTCTGGTATACACATCACCTTTTC  
 ATCATCTATATCATCTGCTTAGGGATCCATGGCCTGGGGGGGATTGTCCGGGGTCAAACAGAAAGAGAGCA  
 TGAGTGAAGTCAATCCCCGCAACTGTTCATACTCTTCCACGAGTGGGATAAGTATGAAAGGAGTTGCAG  
 GAGTCTCATTTTGTGGGGCAACCCCTGAGTCTTGAAGTGGATCCTCGCGCCGATTGCTTTTTATATC  
 TTTGAAAGGATCCTTCGCTTTTATCGCTCCCGGAGAAGGTCTGATTACCAAGTTGTCATGCACCCAT  
 GTAAAGTTTTGGAATGCAGATGAGGAAGCGGGCTTTACTATGGGAATAGGACAGTATATTCGTA  
 TTGCCCTCGATTTCTTCTGGAATGGCATCCCTTTACTCTGACCTCTGCTCCAGAGGAAGAATTTTTC  
 TCCATTCATATTCGAGCAGCAGGGGACTGGACAGAAAATCTCATAAGGACATTTGAACAACAGCACTCAC  
 CAATGCCAGGATCGAGGTGGATGGTCCCTTTGGCACAGTCAGTGGAGATGTCTTCCAGTACGAAGTGGC  
 TGTACTGGTTGGGGCAGGGATTGGCGTCACTCCCTTTGCTTCTTGAATCTATCTGGTACAAATTC  
 CAGCGTGCACACAACAAGCTGAAAACACAAAAGATCTATTTCTACTGGATTTGTAGAGAGACGGGTGCCT  
 TTGCCTGGTTCAACAACCTATTGAATCCCTGGAACAAGAGATGGACGAATTAGGCAAACCGGATTTCT  
 AAACCTACCGACTCTTCTCACTGGCTGGGATAGCAACATTGCTGGTCAATGCAGCATTAACTTTGACAGA  
 GCCACTGACGCTCTGACAGGTCTGAAACAGAAAACCTCTTTGGGAGACCAATGTGGGACAATGAGTTTT  
 CTAGAATAGTACTGCCACCCCAAGTCTGTGGTGGGGTTTTCTATGCGGCCCTCCGACTTTGGCAA  
 AAGCCTGCGCAAATGCTGTGCGCGGTACTCAAGTCTGGATCCTAGGAAGTTCAATTCTACTTCAACAAA  
 GAAACGTTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1722\\_d02.zip](https://cdn.origene.com/chromatograms/ja1722_d02.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_053683

**Insert Size:** 1692 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:**

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\\_053683.1](#), [NP\\_446135.1](#)

**RefSeq Size:** 2577 bp

**RefSeq ORF:** 1692 bp

**Locus ID:** 114243

**UniProt ID:** [Q9WV87](#)

**Cytogenetics:** Xq32

**Gene Summary:** involved in superoxide generation and serum-stimulated growth [RGD, Feb 2006]