

Product datasheet for **RN207205**

Nox4 (NM_053524) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nox4 (NM_053524) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nox4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN207205 representing NM_053524
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCTGTCTGGAGGAGCTGGCTGGCCAACGAAGGGTTAAACACCTCTGTCTGCTTGTGGCTGT
 CCTAAATGTCCTGCTTTTCTGGAAAACCTTCTGCTGTACAACCAAGGGCCAGAATACTACTACATCCA
 CCAGATGTTGGGCTAGGATTGTGTTTGTAGCAGAGCTTCTGCATCTGTCTGAACCTCAACTGCAGCCTG
 ATCCTTTTACCCATGTGCCGCACAGTCTGGCTTACCTTCGCGGATCACAGAAGTCCCTAGCAGGAGAA
 CAAGAAGATTGTTGGACAAAAGCAAGACTCTACATACCTGTGGCATAACTATTTGTATTTTCTCAGG
 TGTGCATGTAGCTGCCACTTGGTGAACGCCCTGAACTTCTCAGTGAACATAGTGAACATTTCTTGA
 CTGAATGCAGCAAGATACCAGAATGAGGATCCCAGAAAGCTTCTTTCAACTGTTCCGGGCTGACAG
 GTGTCTGCATGGTGGTATTGTTCTCATGGTTACAGCTTCTACCTATGCAATAAGAGTTTCTAATTA
 TGATATCTTCTGGTATACTCACAACTTCTTTTGTCTTCTACATGCTGCTGCTGCTGATGTTTCGGGT
 GGCTTGTGAAGTATCAACCAATTTAGACACTCACCTCCTGGCTGTATCAGTCTTAACCGGACCCCAT
 CTCAGAATATGTCCATAGCAGACTACGTCTCAGAACATTTTCATGGATCTTTGCCTGGAGGGTTTCAAA
 ATTAGAAGATCATTACCAGAAAACACTGGTGAAGATTTGCCTGGAAGAACCCAAGTTCCAAGCTCATTTC
 CCACAGACCTGGATTTGGATTTCTGGACCTTTGTGCCTATACTGTGCTGAGAGACTTTACCGATGCATCC
 GGAGCAACAAACCTGTCAACCATATCTCAGTAATCAATCATCCCTCAGATGTCATGGAACCCGTATGAT
 CAAAGAAAACCTTAAAGCAAGACCTGGCCAGTATATTATCTACATTGTCCCAGTGTATCAGCATTAGAA
 AACCACCCATTTACTCTCACAATGTGTCTACTGAAACCAAGCAACATTTGGTGTCCACTTTAAAGTAG
 TAGGAGACTGGACAGAAAGATCCGAGATTTACTACTGCCTCCATCAAGCCAAGATTCTGAGATTTGCC
 CTTCAATCAATCTAGAACTACCCCAAGTTATACATTGATGGCCATTTGGAAAGTCCATTTGAGGAGTCA
 CTGAACTATGAAGTTAGTCTGTGTGTGGCTGGAGGCAATTGGGGTCACTCCGTTTGCATCGATACTAAACA
 CTCTACTGGATGACTGGAACCATACAAGCTAAGAAGACTGTATTTTATCTGGGTCTGCAGAGACATCCA
 ATCATTCCAGTGGTTTGCAGACTTGCTCTATGTGCTGCATAACAAGTTTGGCAAGAAAACAGACCTGAC
 TTTGTGAACATCCAGCTGTACCTCAGTCAAACAGATGGGATACAGAAGATAATTGGAGAAAAATACCACA
 CATTGAATTCTAGACTTTTTATTGGCGTCTCGGTGGAAGCTTTTATTTGATGAAATAGCAAAATGTAA
 CAGAGGGAAAACAGTTGGAGTTTCTGCTGTGGACCCAGTCTATTTCCAAGACTCTTCATAATTTGAGT
 AACCGGAACAACATATGGGACAAAATTTGAATACAATAAAGAATCTTTCAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3132_g05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_053524

Insert Size: 1737 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 or by calling 301.340.3188 option 3 for pricing and delivery.

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_053524.1](#), [NP_445976.1](#)

RefSeq Size: 2176 bp

RefSeq ORF: 1737 bp

Locus ID: 85431

UniProt ID: [Q924V1](#)

Cytogenetics: 1q32

Gene Summary: enzyme involved in the production of reactive oxygen species in vascular smooth muscle cells [RGD, Feb 2006]