

Product datasheet for **MC219127**

Nox1 (NM_172203) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nox1 (NM_172203) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nox1
Synonyms:	GP91-2; MOX1; NOH-1; NOH1; Nox; Nox-1; NOX1a; NOX1alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219127 representing NM_172203
Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAAACTGGCTGGTTAACCACTGGCTCTCAGTTTTGTTTCTGGTTTCTGGTTGGGGCTGAACATTT
TTCTGTTTGTGTATGCCTTCTGAATTATGAGAAGTCTGACAAGTACTATTACACGAGAGAAATCTTGG
GACTGCCTTGGCCTTGGCCAGAGCATCTGCTCTGTGCTTGAATTTAACAGCATGATGATCCTGATTCTT
GTGTGTCGAAATCTGCTGTCTTCTTGGAGGGCACCTGCTCATTTTGCAACCGTACACTGAGAAAGCCAT
TGGATCACAACCTCACCTTCCATAAGCTGGTGGCATATATGATCTGCATATTCACAGTTATTCATATCAT
TGCACACCTATTTAACTTCGAACGCTACAGAAGAAGCCAACAGGCCATGGATGGATCTCTCGTTCTGTT
CTCTCCAGCCTATCTCATCCTGAGAAAGAAGATTCTTGGCTAAATCCCATCCAGTCTCCAAACATGACAG
TGATGTATGCAGCATTTACCAGTATTGCTGGCCTTACTGGAGTGATTGCCACTGTAGCTTTGGTTCTCAT
GGTAACGTCAGCTATGGAGTTTATCCGCAGGAATTATTTTGGAGTCTTTTGGTATACACATCACCTTTTT
ATCGTCTATATCATCTGCTTAGGGATCCATGGCCTGGGTGGGATTGTCCGGGGTCAAACAGAGGAGAGCT
TGGGTGAAAGCCATCCTCACAATTGTTCCCATCTTTTACAGAGTGGGATGACCATAAAGGGGAGTTGCAG
GCATCCTCATTTTGGGGGACCCCCCTGAGTCTTGAAGTGGATCCTTGACCCGATTGCTTTTTATATA
TTTGAAAGGATCCTTCGCTTTTATCGCTCCCAGCAGAAGGTCTGATTACCAAGTTGTCATGCACCCAT
CTAATGTTTTGGAATTGCAGATGAGGAAGCGAGGCTTTAGCATGGAAGTAGGACAGTATATTTGTAAA
TTGCCCTCCATTTCTTCTGGAGTGGCATCCCTTCACTCTGACTTCTGCTCCAGAGGAAGAATTTTTC
TCCGTTTCATATTCGAGCAGCAGGGGACTGGACACGAAATCTATAAGGACATTTGAACAACAGCACTCAC
CAATGCCAGGATCGAGGTGGACGGTCCCTTTGGCACAGTCAGTGAGGATGTTTTCCAGTATGAAGTGGC
TGTAAGTGTGGGGCAGGGATTGGGGTCACTCCCTTTGCTTCCATCTTGAATCTATCTGGTACAAATTC
CAGCGTGGCGACAACAAGCTCAAAACACAAAAGATCTATTTTCACTGGATCTGTAGAGAGACAGGTGCCT
TTGCCTGGTTCAACAACCTATTGAATCCCTGGAACAAGAGATGGAGGAATTAGGCAAAATGGATTTTCT
AAACTACCGTCTTCTCACTGGCTGGGATAGCAACATTGCTGGTCAATGCAGCATTAACTTTGACAGA
GCCACTGACATCCTGACAGGTCTGAAGCAGAAAACCTTCTTTGGGAGACCAATGTGGGACAATGAGTTTT
CTAGAATAGCTACTGCCACCCCAAGTCTGCGGTGGGGTTTTCTTATGTGGCCCTCGGACTTTGGCAA
AAGCCTGCGCAAACGCTGTCAGCGATACTCGAGTCTGGATCCTAGGAAGTTTCACTTCAACAAA
GAAACGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1683_e09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_172203

Insert Size: 1692 bp

OTI Disclaimer:	<p>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.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_172203.1 , NP_757340.1
RefSeq Size:	1692 bp
RefSeq ORF:	1692 bp
Locus ID:	237038
UniProt ID:	Q8CIZ9
Cytogenetics:	X E3
Gene Summary:	<p>This gene encodes a subunit of the NADPH oxidase enzyme, which is a membrane-bound, multisubunit protein. This complex catalyzes the transfer of electrons from NADPH to molecular oxygen to produce superoxide or hydrogen peroxide and may have a role in antimicrobial killing and cell signaling. This protein binds other subunits in order to produce superoxide. In mouse, deficiency of this enzyme may be associated with changes in blood pressure. [provided by RefSeq, Jun 2013]</p>