

Product datasheet for **SC330973**

NOX1 (NM_001271815) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NOX1 (NM_001271815) Human Untagged Clone
Tag: Tag Free
Symbol: NOX1
Synonyms: GP91-2; MOX1; NOH-1; NOH1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330973 representing NM_001271815.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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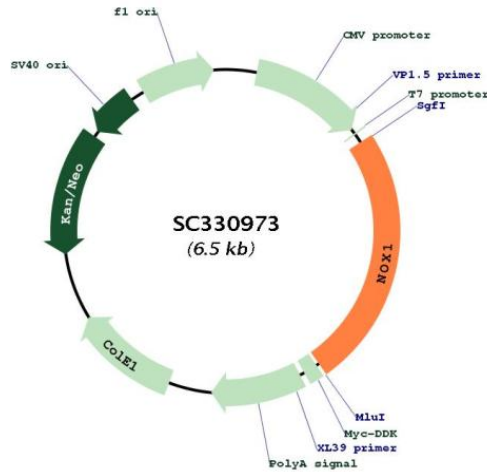
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001271815

Insert Size: 1584 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.

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](#)

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_001271815.1](#)

RefSeq Size: 2418 bp

RefSeq ORF: 1584 bp

Locus ID: 27035

UniProt ID: [Q9Y5S8](#)

Cytogenetics: Xq22.1

Protein Families: Druggable Genome, Ion Channels: Other, Transmembrane

Protein Pathways: Leukocyte transendothelial migration

MW: 60.9 kDa

Gene Summary: This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]
Transcript Variant: This variant (3) lacks an in-frame 5' coding exon, compared to variant 1 (NOH-1L). The resulting isoform (3) has the same N- and C-termini but is shorter, compared to isoform 1.