

Product datasheet for **SC332293**

NOXA1 (NM_001256067) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NOXA1 (NM_001256067) Human Untagged Clone
Tag: Tag Free
Symbol: NOXA1
Synonyms: NY-CO-31; p51NOX; SDCCAG31
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332293 representing NM_001256067.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCTCTCTGGGGACCTGGTGC GCGCCTGGCACCTGGGCGCGCAGGCTGTGGATCGTGGGGACTGG
GCCCGCGCCTTGACCTCTTCTCGGGCGTCCCGCGCGCCGCCAGGCTGTGCTTCAACGCGGGCTGC
GTGCACCTGTGGCCGGGACCCCGAGGCGCGCTGCGGGCATTGACCAAGCCGTGACCAAGGACACC
TGCATGGCGGTTGGCTTCTTCCAGCGAGGAGTGGCCAATTCCAGCTGGCAAGGTTCCAGGAGGCTCTG
TCTGACTTCTGGCTGGCCCTGGAGCAGCTGAGGGGCCACGCTGCCATCGACTACACGAGCTGGGCTG
CGGTTCAAGCTGCAAGCCTGGGAGGTGCTACACAATGTGGCGTGGCACAGTGCCAGCTGGGGCTCTGG
ACAGAGGCGGCCAGCAGCCTAAGGGAGGCCATGTCCAAGTGGCCGGAGGGGTCCCTGAATGGCCTGGAC
TCAGCCCTGGACCAAGTGCAAGACGGGGCTCACTGCCGCCACGGCAGGTCCTCCAGGGGGCAGGTTTC
CGGCCCCACCGGTGGCACCTGAAGCACTTGAGGCCGTGGATTTCTGGGCAAGGCCAAGGTGGTGGCC
TCTGCCATCCCCGACGACCAGGGCTGGGGCGTCCGCCCTCAGCAGCCACAGGGACCAGGAGCGAACCAT
GATGCCAGGTCCTAATCATGGACTCCCCAAGAGCTGGCACCCACCAGGGCCCCCTCGATGCAGAGACA
GAGGTCGGTGTGACCGCTGCACGTGACTGCCTACCAGGAGCAGAGGGCCCCAGGTGGAGCAAGTTGGC
AAACAGGTCCTCTCTCCCCAGGGCTGCCGCAATGGGGGGCCCTGGCCCCGGCCCTGTGAGACCCC
GCGGGTGTGGGGGAGCAGGTGCAGGGGGCTCCGAGCCCTGGTACTGTCACCGTGCAGTGCCTTC
ACAGTGGCCCTGAGGGCACGAAGAGGAGCGACCTGTCCAGCCTGCGGGCACTGCTGGGCAAGCCCTC
CCTCACCAGGCCAGCTTGGGCAACTCAGTTACCTAGCCCCAGGTGAGGACGGGCACTGGTCCCCATC
CCCAGGAGGAGTGCCTGCAGAGGGCTGGCAGGACGCAGCTGCCTGCCAGGGGGCTGCAGCTGCAG
TGCAGGGGAGCCGGGGTCCGCCGTCTTACCAGGTGGTGGCCAGCACAGCTACTCCGCCAGGGG
CCAGAGGACCTGGGCTTCCGACAGGGGGACACGGTGGACGTCTGTGTGAAGTGGACCAGGCATGGCTG
GAGGGCCACTGTGACGGCCGCATCGGCATCTTCCCAAGTGCTTCGTGGTCCCCCGGCCCTCGGATG
TCAGGAGCCCCGGCCGCTGCCCGATCCAGCAGGGAGATCAGCCCTAA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256067
Insert Size: 1431 bp



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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_001256067.1](#)

RefSeq Size: 1622 bp

RefSeq ORF: 1431 bp

Locus ID: 10811

UniProt ID: [Q86UR1](#)

Cytogenetics: 9q34.3

MW: 50.9 kDa

Gene Summary: This gene encodes a protein which activates NADPH oxidases, enzymes which catalyze a reaction generating reactive oxygen species. The encoded protein contains four N-terminal tetratricopeptide domains and a C-terminal Src homology 3 domain. Interaction between the encoded protein and proteins in the oxidase regulatory complex occur via the tetratricopeptide domains. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.