

Product datasheet for **SC330357**

NOXA1 (NM_001256068) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NOXA1 (NM_001256068) Human Untagged Clone
Tag: Tag Free
Symbol: NOXA1
Synonyms: NY-CO-31; p51NOX; SDCCAG31
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330357 representing NM_001256068.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

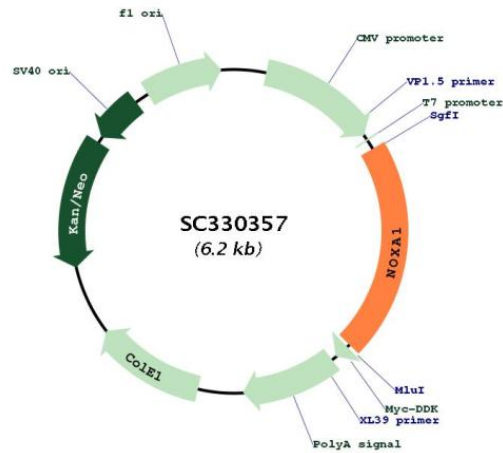
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GCCCGCGCCTTGACCTCTTCTCGGGCGTCCC GCGCGCCGCCAGGCTGTGCTTCAACGCGGGCTGC
GTGCACCTGTGGCCGGGACCCCGAGGCGCGCTGCGGGCATTGACCAAGCCGTGACCAAGGACACC
TGCATGGCGGTTGGCTTCTTCCAGCGAGGAGTGGCCAAC TCCAGCTGGCAAGGTTCCAGGAGGCTCTG
TCTGACTTCTGGCTGGCCCTGGAGCAGCTGAGGGGCCACGCTGCCATCGACTACACGCAGCTGGGCCTG
CGGTTCAAGCTGCAAGCCTGGGAGGTGCTACACAATGTGGCGTCGGCACAGTGCCAGCTGGGGCTCTGG
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GCAATGGGGGGGCTGGCCCCGGCCCCGTGAGGACCCCGGGGTGTGGGGGAGCAGGTGCAGGGGGC
TCCGAGCCCCTGGTGACTGTCACCGTGCAGTGC GCCTTACAGTGGCCCTGAGGGCACGAAGAGGAGCC
GACCTGTCCAGCCTGCGGGCACTGCTGGCCAAGCCCTCCCTCACCAGGCCAGCTTGGGCAACTCAGT
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TGTGACGGCCGCATCGGCATCTTCCCCAAGTGCTTCGTGGTCCCCGCCGGCCCTCGGATGTCAGGAGCC
CCCCGCCCTGCCCGATCCCAGCAGGGAGATCAGCCC TAA
  
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001256068

Insert Size: 1284 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_001256068.1](#)

RefSeq Size: 1471 bp

RefSeq ORF: 1284 bp

Locus ID: 10811

UniProt ID: [Q86UR1](#)

Cytogenetics: 9q34.3

MW: 45.2 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 (3) lacks two alternate in-frame exons in the 3' coding region compared to variant 1. The resulting protein (isoform 3) is shorter compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.