

## Product datasheet for **SC126108**

### **NOXA1 (NM\_006647) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NOXA1 (NM_006647) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOXA1
Synonyms:	NY-CO-31; p51NOX; SDCCAG31
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_006647 edited  
 CGGGGTTGCACCTGGCGCTTGGCGCCCGCACCTCTGCCCGCCTCGGAGACCCCGCAGCCC  
 CGCGCCGCGCCCTGGCCCCGGCCCCGGCCCCCTCCGCGGGATCCTGGCCCCCTCGAGCG  
 CCGCCACCGCGCCCATGGCCTCTCTGGGGGACCTGGTGCAGCCTGGCACCTGGGCGCG  
 CAGGCTGTGGATCGTGGGACTGGGCCCGCGCCTTGCACCTCTTCTCGGGCGTCCCGGCG  
 CCGCCCCCAGGCTGTGCTTCAACGCGGGCTGCGTGCACCTGCTGGCCGGGACCCCGAG  
 GCCGCGCTGCGGGCATTGACCAAGCCGTGACCAAGGACACCTGCATGGCGGTTGGCTTC  
 TTCCAGCGAGGAGTGGCCAACCTCCAGCTGGCAAGGTTCCAGGAGGCTCTGTCTGACTTC  
 TGCTGGCCCTGGAGCAGCTGAGGGGCCACGCTGCCATCGACTACACGCAGCTGGGCCTG  
 CGGTTCAAGCTGCAAGCCTGGGAGGTGCTACACAATGTGGCGTCGGCACAGTGCCAGCTG  
 GGGCTCTGGACAGAGGCGGCCAGCAGCCTAAGGGAGGCCATGTCCAAGTGGCCGGAGGGG  
 TCCCTGAATGGCCTGGACTCAGCCCTGGACCAAGTGCAGAGACGGGGCTCACTGCCGCCA  
 CGGCAGTCCCGAGGGCGAGGTCTTCCGGCCCCACCGGTGGCACCTGAAGCACTGGAG  
 CCCGTGGATTTCTGGCAAGGCCAAGGTGGTGGCCTCTGCCATCCCGACGACCAGGGC  
 TGGGGCGTCCGCCCTCAGCAGCCACAGGGACCAGGAGCGAACCATGATGCCAGGTCCTA  
 ATCATGGACTCCCAAGAGCTGGCACCCACCAGGGCCCCCTCGATGCAGAGACAGAGGTC  
 GGTGCTGACCGCTGCACGTGCGACTGCCTACCAGGAGCAGAGGCCCCAGGTGGAGCAAAT  
 GGCAAACAGGCTCCTCTCTCCCCAGGGCTGCCGCAATGGGGGGGCTGGCCCCGGCCCC  
 TGTGAGGACCCCGCGGGTGTGGGGGAGCAGGTGCAGGGGGCTCCGAGCCCTGGTGACT  
 GTCACCGTGCAGTGCCTTACAGTGGCCCTGAGGGCACGAAGAGGAGCCGACCTGTCC  
 AGCCTGCGGGCACTGTGGGCCAAGCCCTCCCTACCAGGGCCAGCTTGGGCACTCAGT  
 TACCTAGCCCCAGGTGAGGACGGGCACTGGTCCCCATCCCGAGGAGGAGTTCGTGCAG  
 AGGGCTGGCAGGACGCAGCTGCCTGCCAGGGGGCTGCAGCTGCAGTGCAGGGGAGCC  
 GGGGGTCCGCGGTCCTTACCAGGTGGTGGCCAGCACAGTACTCCGCCAGGGGCCA  
 GAGGACCTGGGCTCCGACAGGGGGACCGGTGGACGCTCTGTGTGAAGAGCCCGATGTC  
 CCCCTTGCAGTGGACCAGGCATGGCTGGAGGGCCACTGTGACGGCCGCATCGGCATCTTC  
 CCCAAGTCTTGGTGGTCCCGCCGGCCCTCGGATGTCAGGAGCCCCGGCCGCTGCC  
 CGATCCAGCAGGGAGATCAGCCCTAATGATGCTGTGTCCATGATGCTTTAATAAAAAAC  
 AACCCCCACTGCAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_006647 unedited  
 NGGCGTTCAGGATTTGTAACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGCGGG  
 GTTGCACCTGGCGCTTGGCGCCCGCACCTCTGCCCGCCTCGGAGACCCCGCAGCCCCGCG  
 CCGCCGCTGGCCCCGGCCCCGGCCCCCTCCGCGGGATCCTGGCCCTCTCGAGCGCCGC  
 CACCGGCCCATGGCCTCTCTGGGGGACCTGGTGCAGCCTGGCACCTGGGCGCGCAGG  
 CTGTGGATCGTGGGACTGGGCCCGCGCCTTGCACCTCTTCTCGGGCGTCCCGCCGCGCG  
 CGCTGCGGGCATTGACCAAGCCGTGACCAAGGACACCTGCATGGCGGTTGGCTTCTTCC  
 AGCGAGGAGTGGCCAACCTCCAGCTGGCAAGGTTCCAGGAGGCTCTGTCTGACTTCTGGC  
 TGGCCCTGGAGCAGCTGAGGGGCCACGCTGCCATCGACTACACGCAGCTGGGCCTGCGGT  
 TCAAGCTGCAAGCCTGGGAGGTGCTACACAATGTGGCGTCTGCACAGTGCAGCTGGGGC  
 TCTGGACAGAGGCGGCCAGCAGCCTAATGGAGGCCATGTCCAAGTGGCCGGAGGGGTCCC  
 TGAATGGCCTGGACTCAGCCCTGGACCAAGTGCAGAGACGGGGCTCACTGCCGCCACAGC  
 AGGTCCCCAAGGGCGAGGTCTTACGGCCCCACCGGTGGCACCTGAAGCACTTGGAGCCCT  
 GGAATTCCTGGGCAAAGGTAAGGCGGGGCTTTGCCATCCCGACAACCAGGGCTGGG  
 GCGTCCGCTAAACAACACAGGGCCAGGAGCGAACATGATCCCGTCCCAACCC

**Restriction Sites:** Please inquire

**ACCN:** NM\_006647

**Insert Size:** 1700 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_006647.1</a>, <a href="#">NP_006638.1</a></u>
<b>RefSeq Size:</b>	1650 bp
<b>RefSeq ORF:</b>	1452 bp
<b>Locus ID:</b>	10811
<b>UniProt ID:</b>	<u><a href="#">Q86UR1</a></u>
<b>Cytogenetics:</b>	9q34.3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform 1).</p>