

## Product datasheet for SC306731

### NOXO1 (NM\_172168) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NOXO1 (NM_172168) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOXO1
Synonyms:	P41NOX; P41NOXA; P41NOXB; P41NOXC; SH3PXD5; SNX28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306731 representing NM_172168. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGGCCCGCATACCCAGTTTCAGTGCAAGGGGCAGCCCTGGTGCAGATCAAGAGGCTCCAAACG
TTTGCCTTCTGTGCGCTGGTGCAGACGGCAGCGACACCTTCGTGCGCAGGAGTTGGGACGAATTCAGG
CAGCTCAAGAAGACCCTCAAGGAGACCTCCCGGTGGAGCGGGCCTGCTGCGGAGATCTGACCGGTT
CTCCAAAGCTTCTCGGTGAGCCAGCCTGGATGCACCACTGTTGGGACGCGTGGGGCGCAGAGCCGC
GGCCTGGCGCCCTGCAGCTGTTGAAACCTATTCTCGGAGGCTGCTGGGACTGCAGAGCGCGTGGCA
CGGAGCCCGACGATCACTGGCTTCTCGCACCGCAACCCCTGGACCTGGAGCCCGCCTGCCACCCGGC
AGCCGGGTGATCCTGCCACCCAGAGGAGCAGCCTTTTCTCGCGCTGCGGGCCGCTTCCATCCAC
AGTCTGGAGGCTCAGAGCCTGCGCTGCCTGCAGCCCTTCTGTACCCAGGACACGCGGGATAGGCCTTTT
CAGGCGCAGGCCAGGAGAGCCTGGACGTGCTGCTGCGGCACCCCTCAGGCTGGTGGCTGGTGGAGAAC
GAAGACCGGCAGACCGCCTGGTTTCCAGCGCCCTACCTGGAGGAGGCGGCCCGGGCCAAGGCCGGGAG
GGAGGCCCGTCCCTAGGAGCAGCGTCCCAAGTTCTGTGCTTCCCGCGCTACGAGAGCAGCCGCGCA
GATGAGCTGTCCGTGCCCGGGGGCGCGCTGCGCGTGTGAAACGTGAGACCGCGCTGGTGGCTA
TGCAGGTACGGCAGCCGGCGGGCCTACTCCCCGCGTGTGCTGCGGCCGGAAGGGCTGGGCGCTCTC
CTGAGCGGGACGGGGTTCGTGGAGGAGACACCCGGCGGTGAGGCCCGGGGCTCCCTGAACCCCTCC
CAGGCCACCGCCCTCCCCCACCCTGCCACCCGACCTTCGCCGGGCGCCATCCAGAGCCGCTGCTGC
ACCGTCAACAGCAGGGCCCTGGAGCGGCCACCGGCCAGGGCCGCTCGAGGGTGCCTGGACTCT
GTGCCGACCCACGACGGAGCAGTGA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII



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<b>Plasmid Map:</b>	□
<b>ACCN:</b>	NM_172168
<b>Insert Size:</b>	1131 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_172168.2</a></u>
<b>RefSeq Size:</b>	1654 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	124056
<b>UniProt ID:</b>	<u><a href="#">Q8NFA2</a></u>
<b>Cytogenetics:</b>	16p13.3
<b>MW:</b>	41.3 kDa
<b>Gene Summary:</b>	<p>This gene encodes an NADPH oxidase (NOX) organizer, which positively regulates NOX1 and NOX3. The protein contains a PX domain and two SH3 domains. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012]</p> <p>Transcript Variant: This variant (c) uses two alternate splice sites compared to variant a, but maintains the same reading frame. The encoded isoform (c) is longer than isoform a.</p>