

## Product datasheet for **SC306730**

### **NOXO1 (NM\_172167) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	NOXO1 (NM_172167) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	NOXO1
<b>Synonyms:</b>	P41NOX; P41NOXA; P41NOXB; P41NOXC; SH3PXD5; SNX28
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_172167, the custom clone sequence may differ by one or more nucleotides ATGGCAGGCCCGATACCCAGTTTCAGTGCAAGGGGCAGCCCTGGTGCAGATCAAGAGG CTCCAAACGTTTGCCTTCTGTGCGCTGGTACAGCGGCAGCGACACCTTCGTGCGCAGG AGTTGGGACGAATTCAGGCAGCTCAAGAAGACCCTCAAGGAGACCTTCCCGGTGGAGGCG GGCCTGCTGCGGAGATCTGACCGGCTTCTCCAAAGCTTCTCGATGCACCACTGTTGGGA CGCGTGGGGCGCACGAGCCGGCCTGGCGCGCTGCAGCTGTTGAAACCTATTCTCGG AGGCTGCTGGCGACTGCAGAGCGCTGGCACGGAGCCCGACGATCACTGGCTTCTTCGCA CCGCAACCCTGGACCTGGAGCCCGGCTGCCACCCGGCAGCCGGGTGATCCTGCCACC CCAGAGGAGCAGCCTCTTCTCGCGCTGCGGGCCGCTCTCCATCCACAGTCTGGAGGCT CAGAGCCTGCGCTGCCTGCAGCCCTTCTGTACCCAGGACACGCGGGATAGGCCTTTTCAG GCGCAGGCCCAGGAGAGCCTGGACGTGCTGCTGCGGCACCCCTCAGGCTGGTGGCTGGT GAGAACGAAGACCGGCAGACCGCCTGGTTTCCAGCGCCCTACCTGGAGGAGGCGGCCCG GGCCAAGGCCGGGAGGGAGGCCCGTCCCTAGGGAGCAGCGGTCCCAGTTCTGTGCTTCC CGCGCCTACGAGAGCAGCCGCGCAGATGAGCTGTCCGTGCCCGCGGGGGCGCGCTGCGC GTGTTGAAACGTCAGACCGCGCTGGTGGCTATGCAGGTACGGCGACCGGGCGGGCCTA CTCCCCGCGGTGCTGCTGCGGCCGAAGGGCTGGGCGCTCCTGAGCGGACGGGGTTC CGTGGAGGAGACGCCCGCGGGTGAGGCCCGGGGCTTCCCTGAACCCTCCAGGCCACC GCCCTCCCCCACCCTGCCACCCGACCTTCGCCGGGCGCCATCCAGAGCCGCTGCTGC ACCGTCACACGCAGGGCCCTGGAGCGGCCCCACGGCGCCAGGGCCGCCCTCGAGGGTGC GTGGACTCTGTGCCGACCCACGAGCGAGCAGTGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_172167



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<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>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.</p>
<b>Components:</b>	<p>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).</p>
<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>	<a href="#">NM_172167.1</a> , <a href="#">NP_751907.1</a>
<b>RefSeq Size:</b>	1132 bp
<b>RefSeq ORF:</b>	1116 bp
<b>Locus ID:</b>	124056
<b>UniProt ID:</b>	<a href="#">Q8NFA2</a>
<b>Cytogenetics:</b>	16p13.3
<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 (b) uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant a. The encoded isoform (b) is longer than isoform a.</p>