

## Product datasheet for **SC110166**

### **ENOX2 (NM\_182314) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ENOX2 (NM_182314) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENOX2
Synonyms:	APK1; COVA1; tNOX
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_182314, the custom clone sequence may differ by one or more nucleotides

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ATGCAAGAGATTTTAGATGGCTGTGGGTCTACGAAATAGGCTATGCAGCCGATAACAGTAGAACTCTGA
ACGTGGATTCCACTGCAATGACACTACCTATGTCTGATCCAACCTGCATGGGCCACAGCAATGAATAATCT
TGAATGGCACCCTGGGAATTGCCGACAAACCAATTTTACCTGACTTTGATCCTGCTCTTGAATGATG
ACTGGAATTCACCAATAACTCCAATGATGCCTGGTTTGGGAATAGTACCTCCACCAATTCCTCCAGATA
TGCCAGTAGTAAAAGAGATCATACACTGTAAAAGCTGCACGCTCTTCCCTCCAAATCCAAATCTCCACC
TCCTGCAACCCGAGAAAGACCACCAGGATGCAAAACAGTATTTGTGGTGGTCTGCCTGAAAATGGGACA
GAGCAATCATTGTGGAAGTTTTGAGCAGTGTGGAGAGATCATTGCCATTGCAAGAGCAAGAAGAACT
TCTGCCACATTCGCTTGTGCTGAGGAGTACATGGTGACAAAGCCCTGTATCTGTCTGTTACCGCATTTCG
CCTGGGCTCTAGTACTGACAAGAAGGACACAGGCAGACTCCACGTTGATTTGCGACAGGCTCGAGATGAC
CTGTATGAGTGGGAGTGTAAACAGCGTATGCTAGCCAGAGAGGAGCGCCATCGTAGAAGAATGGAAGAAG
AAAGATTGCGTCCACCATCTCCACCCCAAGTGGTCCACTATTCAGATCATGAATGCAGCATTGTTGCTGA
AAAATTAAGAGATGATTCCAAATTCAGAAAGCTGACAGACCTTGCTTACCTGGATAGAGCGAGGAGAG
GTCAACCGTCGTAGCGCAATAACTTCTACTCCATGATCCAGTCGGCCAACAGCCATGTCCGCCCGCTGG
TGAACGAGAAAGCTGCCATGAGAAAGATATGGAAGAAGCAAAGGAGAAGTTCAAGCAGGCCCTTTCTGG
AATTCTCATTCAATTTGAGCAGATAGTGGCTGTGTACCATTCCGCCTCCAAGCAGAAGGCATGGGACCAC
TTCACAAAAGCCAGCGGAAGAACATCAGCGTGTGGTGCAAAACAGCTGAGGAAATTCGCAACATTCATA
ATGATGAATTAATGGGAATCAGGCGAGAAGAAGAAATGGAATGTCTGATGATGAATAGAAGAAATGAC
AGAAACAAAAGAAACTGAGGAATCAGCCTTAGTATCACAGGCAGAAGCTCTGAAGGAAGAAAATGACAGC
CTCCGTTGGCAGCTCGATGCCTACCGGAATGAAGTAGAAGTCAAGCAAGAACAAGGCAAAGTCCACA
GAGAAGATGACCCTAACAAAGAACAGCAGCTGAAACTCCTGCAACAAGCCCTGCAAGGAATGCAACAGCA
TCTACTCAAAGTCCAAGGGAATACAAAAGAAAAGAAAGCTGAACTTGAAAACTCAAAGATGACAAGTTA
CAGGTGAAAAAATGTTGAAAAATCTTAAAGAAAAGAAAAGCTGTGCTTCTAGGCTGTGTGCCTCAAACC
AGGATAGCGAATACCCTCTTGAGAAGACCATGAACAGCAGTCTTCAAATCTGAACGTGAAGCACTGCT
AGTGGGGATTATCTCCACATTCCTTATGTTACCCATTTGGAGCAAGCATTGAATACATCTGTTCTAC
TTGCACCGTCTTGATAATAAGATCTGCACCAGCGATGTGGAGTGTCTCATGGGTAGACTCCAGCATACTT
CAAGCAGGAAATGACTGGAGTTGGAGCCAGCCTGAAAAAGAGATGGAATTCGTGGCTTCGAGGGCTT
GAAGCTGACCTAA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_182314 unedited

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TGATATACGACTTCACTATAGGGCGGCCGCGATTCCGGCACGAGGGGAAGAGAGTGGCGC
GGCGTGGGGCGCCGCGAGGGCACTACGAGCCCAGGAAGTCCGCGCCGGCCCGATTTTCC
GCGGCTGTATAAGGACTAGCGCTTCGGTAGCCGGGGAGCTGGAGGGAACCTGATTTGAGA
TCAATTCTTGGAGAACACAAAGAAGTGTGATGGATTGAACCAGCTGCCCTTTGACCCTGC
TAACAACAACGAGCCCTGCAGTTTGGTAGTGCAGTGGCCCTCTGGTCACAGAAGGCCT
CATTGAGAATGGAGGGAATCAAGCAAGAAAAGAAAGAGAACAATACTCCTTCAGCCGA
TAACAGTAGAACTCTGAACGTGGATTCCACTGCAATGACACTACCTATGTCTGATCCAAC
TGCATGGGCCACAGCAATGAATAATCTTGGAAATGGCACCCTGGGAATTGCCGACAACC
AATTTTACCTGACTTTGATCCTGCTCTTGGAAATGATGACTGGAATTCACCAATAACTCC
AATGATGCCTGGTTTGGGAATAGTACCTCCACCAATTCCTCCAGATATGCCAGTAGTAAA
AGAGATCATACTGTAAAAGCTGCACGCTCTTCCCTCCAAATCCAAATCTCCACCTCC
TGCAACCCGAGAAAGACCACCAGGATGCAAAACAGTATTTGTGGTGGTCTGCCTGAAAA
TGGGACAGAGCAATCATTGTGGAAGTTTTGAGCAGTGTGGAGAGATCATTGCCATTTCG
CAAGAGCAAGAGAAGTCTGCCACATTCGCTTGTGCTGNAGAGTACATGGTGGACANAGCC
CTGTATCTGTCTGGGTACCGCATTTGCGCTGGCTCTAGTACTGACAAGAAG
    
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_182314

<b>Insert Size:</b>	4000 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>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_182314.1</a></u> , <u><a href="#">NP_872114.1</a></u>
<b>RefSeq Size:</b>	4184 bp
<b>RefSeq ORF:</b>	1833 bp
<b>Locus ID:</b>	10495
<b>UniProt ID:</b>	<u><a href="#">Q16206</a></u>
<b>Cytogenetics:</b>	Xq26.1
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	<p>This gene is a tumor-specific member of the ECTO-NOX family of genes that encode cell surface NADH oxidases. The encoded protein has two enzymatic activities: catalysis of hydroquinone or NADH oxidation, and protein disulfide interchange. The protein also displays prion-like properties. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]</p> <p>Transcript Variant: This variant (2) represents the longest transcript and encodes the longer isoform (b).</p>