

Product datasheet for **SC113785**

ENOX1 (NM_017993) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENOX1 (NM_017993) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENOX1
Synonyms:	bA64J21.1; cCNOX; CNOX; PIG38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113785 sequence for NM_017993 edited (data generated by NextGen Sequencing)

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ATGGTAGATGCAGGTGGAGTTGAGAATCACCAGCTTCCCCAGGAGCTTCCTCAGATG
ATGGCTGCAGCAGCCGATGGTTTGGGGAGTATAGCGATAGACACGACCCAGCTCAACATG
TCCGTGACAGATCCCACAGCCTGGGCTACAGCCATGAATAACCTGGGCATGGTCCCGTA
GGGTTGCCTGGACAGCAGCTCGTGTCTGACTCAATCTGTGTCCCAGGCTTTGATCCAAGC
CTCAACATGATGACTGGAATCACCCCATTAACCCAATGATACCAGGCCTTGACTGGTA
CCTCCCCCACCACCAACAGAAAGTGGCTGTTGTCAAAGAAATAATCCACTGCAAAAGCTGT
ACTCTTTTTCTCAAAATCCAAATCTTCCACCTCCTTCCACAAGAGAACGACCTCCTGGG
TGTAAGACCGTGTGTGTCGGAGGATTACCAGAAAATGCTACTGAGGAAATTATTCAAGAA
GTCTTTGAACAGTGCGGTGATATTACAGCAATTCGAAAAGCAAGAAGAATTTTTGTAC
ATTCGCTTTGCAGAGGAATTCATGGTTGATAAGCCATTTACCTTTCTGGTTATAGGATG
CGATTAGGTCTAGCACCGACAAAAGGATTACGGCCGCCTTCATGTGGACTTTGCCAG
GCCAGGGATGACTTCTATGAGTGGGAATGCAAGCAGAGGATGCGTGCCCGGGAGGAGCGG
CACCGGCGCAAGCTGGAGGAGGACCGGCTCAGGCCCCATCCCCGCTGCCATAATGCAC
TACTCGGAGCACGAAGCCGCTCTGCTGGCTGAAAAGCTGAAAGATGATAGCAAGTTTCA
GAGGCTATCACAGTGCTGCTTTCTGGATTGAACGAGGGGAAGTGAATCGGCGCTCTGCA
AACCAGTTCTATTCCATGGTGCAGTCGGCCAACAGCCACGTCCGCCGGCTAATGAATGAA
AAAGCCACCATGAGCAAGAGATGGAGGAAGCCAAGGAGAATTTTAAAAATGCCTTAAC
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GAGGAGCTCCGAATGCTCAAAGTGAGCAGCTCATGGGCATCCGCCGGAAGAAGAAATG
GAAATGTCTGATGATGAGAACTGTGACAGCCCTACAAAGAAAATGAGAGTCGATGAATCA
GCCCTGGCTGCCAGGCCTACGCTCTGAAAGAGGAGAATGACAGTCTCCGCTGGCAGCTG
GATGCCTACAGGAATGAGGTGGAGCTGCTGAAACAAGAAAAAGAACAGCTTTTCCGAACA
GAAGAAAACCTCACCAAGGACCAGCAACTGCAGTTTCTGCAGCAAACCATGCAAGGCATG
CAGCAGCAATTGCTAACCATCCAGGAGGAGTTAAACAACAAAAGTCAGAATTGGAACAA
GCAAAGGAAGAGCAGTCCCATACACAAGCGTTACTAAAAGTCCTGCAGGAACAATTAATA
GGTACCAAGGAATTGGTCGAGACCAATGGCCACAGCCATGAGGATTCAAATGAAATCAAT
GTGTTGACAGTTGCATTAGTCAACCAAGACCGAGAGAACAATATTGAGAAAAGAAGCCAA
GGCTTAAATCAGAGAAAGAAGCTCTGCTAATAGGTATCATATCAACGTTTCTTACGTC
CATCCTTTTGGAGCCAACATAGAATATCTTTGGTCATACATGCAGCAGCTGGACTCCAAG
ATATCTGCAAAATGAAATAGAAATGCTTTTGATGAGGCTGCCACGCATGTTCAAACAGGAA
TTCACGGGTGTGGGAGCCACGCTGGAAAAAAGATGGAAGTTGTGTGCCTTTGAAGGAATT
AAAACCTACCTAA
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Clone variation with respect to NM_017993.3
1900 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017993 unedited
 AATTTGTAATACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGCCTCGTGCCGAA
 TTCGGCACGAGGCCAGCTCCGTGCCCGGGACAGAGTCCGGGAGAAGCAAAGGAGGAGGA
 GGACGCCGAGGCTAGGAGGAGCCGCGCCGCGCCGCGCCGCGCCCACTCCGCGCAGCGGGTTG
 CCTCCGCTCCCATACGGCGGGCCCAAGTCTTTGCTGCCAGCATGATGTCGATTTTATA
 ATATGTGGAGGAGAGAGCTCACCATGCTCAGAAGCCTCTGGTATGTCAGAACCATGCT
 GTCTTCCATGAGACTTCCTTTGTGAAGAGCATCCATTTAAAGACTTTTATGAATACATG
 GTTCAATCAAGTCCCCAGAGAACACATTGTCTTCTGAGCTGCTGGCAGTTTTGAGAAT
 CTGATGACCTCCGAGGGGACCCTGCACTCAGCCATCAAAGTGTTCCTGCCCTCTGGACA
 CTCATAATTCAATGGTAGATGCAGGTGGAGTTGAGAACATCACCCAGCTTCCCAGGAGC
 TTCCTCAGATGATGGCTGCAGCAGCCGATGGTTTGGGAGTATAGCGATAGACACGACCC
 AGCTCAACATGTCGTGACAGATCCACAGCCTGGGCTACAGCCATGAATAACCTGGGCA
 TGGTTCCTGAGGTTGCCTGGACAGCAGCTCGTGTCTGACTCAATCTGTGTCCCAGCT
 TTGATCCAAGCCTCACATGATGACTGGAATCACCCCATTAACCAATGATACCAGGCCT
 GGNACTGGTACCCTNCCCCACCCCAACAGAAGTGGGCTGTTGTCAAAGAAATATCCACTG
 CNAAGCTGTACTCTTTTCTCAAATCAAATCTCCACCTCCTTNCACAGAAACGACTC
 CTGGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017993 unedited
 GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTACTAAACA
 GAAAGACTTTTCAAGGAAAATGTCATTTAATGATTTTCACTATACATTACATATACAATC
 TGTAGCCTAGCAACAATCATTGCTACACCATCATTAACTTTAAATATTTTGTGGTGAG
 CTATTCTCAAATGTAGCACATTTAAGATTTTGCCATCATTATGACTGTGGAATCATTGT
 TTGGTTTTCATAGGAAACAGATCTGTACAGTATGAAGCTTTGTTTATTTAAGAAACTG
 GTACACAATTACATTTCCACTTACAAGAGAAGCCACAGATATAACTAAAGGCAGGCTTC
 GATGGCTCCACAAAGGTTGCGTGCGGGACCAACCCACACCTCCTGCTTCCCCGTCGCAC
 CGCCCTGGCCAGGTTACATGGTTTCATTTCCAGAGATGCTTTGCTCTTCGCAGTTAGGT
 AGTTTTAATTCCTTCAAAGGCACACAACCTCCATCTTTTTTCCAGCGTGGCTCCACACC
 CGTGAATTCCTGTTTGAACATGCGTGGCAGCCTCATCAAAGCATTCTATTTCAATTTGC
 AGATATCTTGGAGTCCAGCTGCTGCATGTATGACCAAAGATATTCTATGTTGGCTCCAAA
 AGGATGGACGTGAAGAAACGTTGATATGATACCTATTACAGAGCTTCTTTCTCTGATTT
 TAAGCCTTGGCTTCTTTTCTCAATATTGGTCTCTCGGTCTTGGGTTGACTAATGCCACTG
 TCCACACCATGATTCTTTGAATCCTCATGCCTGGGGCCATTGTGCCTCGACCATTCCT
 TGGACCTTTAATGGTCCCTGCAGGACTTTTATTACCCCTGGGTATGGAACCGTTTTTC
 TT

Restriction Sites:

NotI-NotI

ACCN:

NM_017993

Insert Size:

2840 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:	<u>NM_017993.1, NP_060463.1</u>
RefSeq Size:	2624 bp
RefSeq ORF:	1932 bp
Locus ID:	55068
UniProt ID:	<u>Q8TC92</u>
Cytogenetics:	13q14.11
Domains:	RRM
Gene Summary:	The protein encoded by this gene is involved in plasma membrane electron transport pathways. The encoded protein has both a hydroquinone (NADH) oxidase activity and a protein disulfide-thiol interchange activity. The two activities cycle with a periodicity of 24 minutes, with one activity being at its peak when the other is at its lowest. [provided by RefSeq, Dec 2016] Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence compared to variant 10. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 1-9 all encode the same isoform (b). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.