

Product datasheet for **MC218634**

Enox1 (BC052062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enox1 (BC052062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Enox1
Synonyms:	B230207J08; D230005D02Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC052062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTAGATGCGGCTGGATTTGAGAGCGTTGCCAGTGTCCACGGGAGCTTCATCAGATGATGGCTGCAG
 CAGCTGATGGTTTGGGGAGCATAGCCCTAGATACCACCCAGCTCAACATGTCCGTACCCGATCCCACAGC
 CTGGGCCACAGCTATGAATAACTTGGGCATGGTCCCCTGGGGTTCCTGGACAGCAGCTCGTGTCCGAC
 TCAATCTGCGTGCCGGGCTTCGATCCAGGCCTCAACATGATGACTGGAATCACCCCATTAACCCGATGA
 TACCCGGTCTGGGGCTGGTACCACCCCAACCGAAGTGGCTGTCGTCAAGGAAATAATCCACTG
 CAAAAGCTGACTCTTTTCCCCAAAATCCAAATCTTCCACCTCCTTCCACAAGAGAACGACCTCCAGGG
 TGTAAGACTGTGTTTGTGGAGGATTACCAGAAAATGCAACGGAAGAAATTTATCAAGAAGTCTTTGAGC
 AGTGTGGAGATATCACAGCCATCCGAAAGAGCAAGAAGAAATTTCTGTACATTGCTTTGCCGAGGAATT
 CATGGTTGACAAAGCCATTTACCTCTCTGTTACAGAATGCGATTAGGGTCGAGCACGGATAAAAAGGAT
 TCCGGCCGCTGCACGTGGATTTGCTCAGGCCAGGGATGACTTCTATGAGTGGGAATGCAAGCAAAGGA
 TGGCGCCCGGGAGGAGCGGCATCGACGCAAACTGGAAGAGGACAGGCTGCGGCCTCCCTCGCCGCGGC
 CATCATGCACTACTCGGAGCACGAAGCTGCCCTGCTGGCTGACAACTGAAAGATGACAGCAAGTTCTCT
 GAGGCTATCACAGTTCTGCTGCTCGATCGAGCGTGGGAGGTGAACCGCGCTCGGCAAACAGTTCT
 ACTCCATGGTTCAGTCGGCCAACAGCCAGTGCAGGCTCATGAATGAAAAGGCTACCCACGAGCAGGA
 AATGGAGGAAGCAAAGGAGAACTTCAAAAATGCCTTACGGGGATCCTCACTCAATTTGAGCAGATTGTG
 GCCGTTTTCAACGCTTCTACCAGACAAAAGCTTGGGACCATTTCTCGAAAGCCAGCGCAAGAACATAG
 ACATTTGGCGAAAAGCACTCTGAGGAGCTCCGGAACGCTCAAAGCGAGCAGCTCATGGGCATCCGCGGTGA
 GGAGGAGATGGAATGTCTGATGATGAGAAGTGTGACAGCCCGACTAAAAAATGAGAGTCGATGAATCA
 GAGGCAGACATTGAAGACTGTGCAGGAGACCCGCGGATCGTGGCTTGCATTCTGCTGCCCTGGCTGCTC
 AGGCTACGCCCTCAAAGAGGAGAATGACAGTCTCCGGTGGCACTGGATGCCTACAGGAACGAGGTGGA
 GCTGCTGAAGCAAGAGAAGGAACAGCTTCCGGACAGAAGAAAACCTCACCAAGGACCAACAGCTACAG
 TTCCTGCAGCAAACCATGCAAGGCATGCAGCAGCAATTGCTGGCCATCCAGGAGGAGCTGAACAACAAA
 AGTCGGAATTGGAGCAGGCAAAGGAGGAGCAGTCTCACACGCAAGCGTTGCTGAAAGTCTCCAGGAGCA
 GTTAAAAGGTACCAAGGACTTGGTGGAGACGAATGCCACAGCCAGGAGTGAATGAAATCAATGTG
 TTGACGGTCGCGTTGGTTAACAGGACCGAGAGAACAACACTGAAAAGAGAAGCCAAAGTTTGAATCTG
 AGAAGGAGGCCCTGCTGATAGGCATCATATCAAGTTTTCTCACGTTACCCCTTTGGAGCTAATATAGA
 GTATCTGTGGTCATACATGCAGCAGCTGGACTTAAGATATCCGCCAATGAAATTGAAATGCTTCTGATG
 AGGCTGCCACGGATGTTCAAACAGGAATCACTGGTGTGGGAGCGACGCTAGAGAAGAGATGGAAGTTGT
 GTGCCTTTGAAGGAATTAACGACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: BC052062
Insert Size: 1989 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: [BC052062](#), [AAH52062](#)

RefSeq Size: 3117 bp

RefSeq ORF: 1988 bp

Locus ID: 239188

Cytogenetics: 14 D3

Gene Summary: Probably acts as a terminal oxidase of plasma electron transport from cytosolic NAD(P)H via hydroquinones to acceptors at the cell surface. Hydroquinone oxidase activity alternates with a protein disulfide-thiol interchange/oxidoreductase activity which may control physical membrane displacements associated with vesicle budding or cell enlargement. The activities oscillate with a period length of 24 minutes and play a role in control of the ultradian cellular biological clock (By similarity).[UniProtKB/Swiss-Prot Function]