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Product datasheet for MC228604

Enox1 (NM_001253759) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enox1 (NM_001253759) 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:

>MC228604 representing NM_001253759
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTAGATGCGGCTGGATTTGAGAGCGTTGCCCAGTGTCCACGGGAGCTTCATCAGATGATGGCTGCAG
CAGCTGATGGTTTGGGGAGCATAGCCCTAGATACCACCCAGCTCAACATGTCCGTCACCGATCCCACAGC
CTGGGCCACAGCTATGAATAACTTGGGCATGGTTCCCGTGGGGTTGCCTGGACAGCAGCTCGTGTCCGAC
TCAATCTGCGTGCCGGGCTTCGATCCAGGCCTCAACATGATGACTGGAATCACCCCCATTAACCCGATGA
TACCCGGTCTGGGGCTGGTACCACCCCCACCCCCAACGGAAGTGGCTGTCGTCAAGGAAATAATCCACTG
CAAAAGCTGTACTCTTTTCCCCCAAAATCCAAATCTTCCACCTCCTTCCACAAGAGAACGACCTCCAGGG
TGTAAGACTGTGTTTGTTGGAGGATTACCAGAAAATGCAACGGAAGAAATTATTCAAGAAGTCTTTGAGC
AGTGTGGAGATATCACAGCCATCCGAAAGAGCAAGAAGAATTTCTGTCACATTCGCTTTGCCGAGGAATT
CATGGTTGACAAAGCCATTTACCTCTCTGGTTACAGAATGCGATTAGGGTCGAGCACGGATAAAAAGGAT
TCCGGCCGCCTGCACGTGGATTTTGCTCAGGCCAGGGATGACTTCTATGAGTGGGAATGCAAGCAAAGGA
TGCGCGCCCGGGAGGAGCGGCATCGACGCAAACTGGAAGAGGACAGGCTGCGGCCTCCCTCGCCGCCGGC
CATCATGCACTACTCGGAGCACGAAGCTGCCCTGCTGGCTGACAAACTGAAAGATGACAGCAAGTTCTCT
GAGGCTATCACAGTTCTGCTGTCCTGGATCGAGCGTGGGGAGGTGAACCGGCGCTCGGCAAACCAGTTCT
ACTCCATGGTTCAGTCGGCCAACAGCCACGTGCGCAGGCTCATGAATGAAAAGGCTACCCACGAGCAGGA
AATGGAGGAAGCAAAGGAGAACTTCAAAAATGCCTTAACGGGGATCCTCACTCAATTTGAGCAGATTGTG
GCCGTTTTCAACGCTTCTACCAGACAAAAAGCTTGGGACCATTTCTCGAAAGCCCAGCGCAAGAACATAG
ACATTTGGCGAAAGCACTCTGAGGAGCTCCGGAACGCTCAAAGCGAGCAGCTCATGGGCATCCGCCGTGA
GGAGGAGATGGAAATGTCTGATGATGAGAACTGTGACAGCCCGACTAAAAAAATGAGAGTCGATGAATCA
GAGGCAGACATTGAAGACTGTGCAGGAGACCCGGCGGATCGTGGCTTGCATTCTGCTGCCCTGGCTGCTC
AGGCCTACGCCCTCAAAGAGGAGAATGACAGTCTCCGGTGGCAACTGGATGCCTACAGGAACGAGGTGGA
GCTGCTGAAGCAAGAGAAGGAACAGCTCTTCCGGACAGAAGAAAACCTCACCAAGGACCAACAGCTACAG
TTCCTGCAGCAAACCATGCAAGGCATGCAGCAGCAATTGCTGGCCATCCAGGAGGAGCTGAACAACAAAA
AGTCGGAATTGGAGCAGGCAAAGGAGGAGCAGTCTCACACGCAAGCGTTGCTGAAAGTCCTCCAGGAGCA
GTTAAAAGGTACCAAGGACTTGGTGGAGACGAATGGCCACAGCCACGAGGATGCAAATGAAATCAATGTG
TTGACGGTCGCGTTGGTTAACCAGGACCGAGAGAACAACACTGAAAAGAGAAGCCAAGGTTTGAAATCTG
AGAAGGAGGCCCTGCTGATAGGCATCATATCAACGTTTCTTCACGTTCACCCCTTTGGAGCTAATATAGA
GTATCTGTGGTCATACATGCAGCAGCTGGACTCTAAGATATCCGCCAATGAAATTGAAATGCTTCTGATG
AGGCTGCCACGGATGTTCAAACAGGAATTCACTGGTGTGGGAGCGACGCTAGAGAAGAGATGGAAGTTGT
GTGCCTTTGAAGGAATTAAAACGACCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253759

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	NM_001253759.1, NP_001240688.1
RefSeq Size:	3606 bp
RefSeq ORF:	1989 bp
Locus ID:	239188
UniProt ID:	Q8BHR2
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] Transcript Variant: This variant (1) encodes the longer isoform (1).