

Product datasheet for **RN209791**

Cpox (NM_001037095) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cpox (NM_001037095) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cpox
Synonyms:	MGC124847
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN209791 representing NM_001037095
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTTGGCGCTGGGCCAGCTAGGCTCGGGCCCTGGTGGCGAGCGGTGCGAGGTGACTATGCACAGC
 TGC CGCGCCCGTCCCCTCGCAGCGCGTCCGCCTCGCTCTGCCGGCTGCCTGGCACCGCCGTACCCAGCC
 TCGCCGCGGGCTGGGCCACGGCTCCTCGGCTGGAGGCGGGTCCC GGCTGGGGACCGGGCTGGCCGCGGCG
 CTGGCGGGGATGGCAGGGCTGGCAGCCCGCTCTTAGGGCACGTGCAGCGGGCGGAGATGGTGCCCAAGA
 GCTCGGGGGCGGGAGCCCTCACCTGGACGGCTGGAGGAGGACGGGGACGAGCTGGCCCGCGCTGCAG
 CACCTTACGTCTCGCCGGTACCGAGCTGCGGGAGCTGGGAGAAGGCCGGATGACATGAAGACCAAG
 ATGGAGCTGATGATTATGGAGACCCAGGCCAGGTGTGTCGGGCGCTGGCACAGGTAGACGGAGTCGCTG
 ACTTCTCTGTGGACCGATGGGAGAGGAAGGAAGGAGGTGGTGGCATCACCTGTGTCTTCAGGACGGGCG
 TGTGTTTGAGAAGCCGGGGTGAACATTTCTGTCGTTTCATGGGAATCTTTCTGAGGAGGCAGCAAACCAA
 ATGAGAAGCAGAGGAAAAGCCCTGAAGAAGAAAGATGGTAAATTCGCCGTTTACTGCTATGGGTATAAGCT
 CCGTGATTCACCCTAAGAATCCTTATGCACCCACCATGCATTTCAACTATAGATACTTCCAAGTAGAAGA
 AGCTGATGGTAAGATGCATTGGTGGTTTGGGGTGGATGTGACCTCACACCGACATACCTGAACCGAGAG
 GATGCCGTCCATTTCCACCGTACTCTGAAGGAAGCTTGCATCAGCACGGGCCAGACATCTACCCCAAT
 TAAAAAATGGTGTGACGACTACTTCTTCATAGCACATCGCGGGAGCGGAGGGGCATCGCGGCATCTT
 TTTGATGACCTCGACTCTCCATCCAAGGAGGAGCGTTCGCTTTGTGAAGACGTGTGCCGAGGACGTG
 GTTCTTCTATGTTCCATTGTGAAAAAGCACTGTGATGACTCCTACACCCCCAGGATAAGCTGTGGC
 AGCAGCTGAGGAGGGCGGTATGTAGAGTTAATCTGGTGTATGATCGGGGCACCAAGTTTGGCCTTT
 TACTCCAGGATCCAGGATCGAAAAGCATCTTGATGTCTTTACCTTAACAGCAAGGTGGGAGTATATGCAT
 TCCCTCCAGAGAATTCCAAGAAGCTGAAATCTGGAAGTGTGCGCCATCCAAGGACTGGGTGCACT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037095

Insert Size: 1332 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: [NM_001037095.1](#), [NP_001032172.1](#)
RefSeq Size: 2810 bp
RefSeq ORF: 1332 bp
Locus ID: 304024
UniProt ID: [Q3B7D0](#)
Cytogenetics: 11q12
Gene Summary: Involved in the heme biosynthesis. Catalyzes the aerobic oxidative decarboxylation of propionate groups of rings A and B of coproporphyrinogen-III to yield the vinyl groups in protoporphyrinogen-IX (By similarity).[UniProtKB/Swiss-Prot Function]