

Product datasheet for **RN216330**

Hmox2 (NM_001277073) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmox2 (NM_001277073) Rat Untagged Clone
Tag: Tag Free
Symbol: Hmox2
Synonyms: Ho-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216330 representing NM_001277073
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTTCAGAGGTGGAGACCTCGGAGGGCGTCGATGAGTCAGAGAACAACCTCTACGGCACCAGAAAAGG
AAAACCATACCAAATGGCAGACCTTTCTGAGCTCCTGAAGGAAGGGACCAAGGAAGCACATGACCGGGC
AGAAAATACCCAGTTTGTCAAAGACTTCTGAAAGGAAACATTAAGAAGGAGCTATTTAAGCTGGCCACC
ACTGCACCTTACTTCACATACTCAGCCCTTGAGGAGGAAATGGATCGCAACAAGGACCACCCAGCCTTCG
CCCCCTTATATTTCCCCACGGAACCTACACCGGAAGGAAGCACTGATCAAGGACATGGAGTATTTCTTTGG
TGAAAACCTGGGAGGAGCAGGTGAAGTGCTCCGAGGCTGCCCAGAAGTATGTGGATCGGATTCACCTACGTA
GGACAGAATGAGCCAGAGCTGCTGGTGGCCATGCTTACACTCGTTACATGGGGGACCTTTCGGGAGGCC
AGGTGCTGAAGAAGGTGGCTCAGCGGGCACTAAAACCTCCCGAGCACTGGGGAAGGGACCCAGTTCTACCT
GTTTCGAGCATGTGGACAATGCCAGCAATTCAAGCAGTTCTACCGTGCCAGGATGAATGCCTTGGACCTG
AGTATGAAGACCAAGAGAGGATTGTGGAGGAGCCAAACAAGCCTTTGAATATAATATGCAGATATTCA
GTGAACCTGGACCAGGCTGGCTCCATGCTAACAAAAGAAACCTGGAGGATGGGCTCCCGTACATGATGG
GAAAGGAGATGTACGTAATGCCCTTTTATGCTGCTCAGCCAGACAAAGGTACCCTGGGAGGCAGCAAC
TGCCCTTCCGGACAGCCATGGCTGTGCTGAGGAAGCCTAGCCTGCAGCTCATTCTGGCTGCCAGTGTGG
CCTTGGTAGTGGACTCTTGGCCTGGTACTACATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277073
Insert Size: 948 bp



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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:	<ol style="list-style-type: none">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_001277073.1 , NP_001264002.1
RefSeq Size:	1795 bp
RefSeq ORF:	948 bp
Locus ID:	79239
UniProt ID:	P23711
Cytogenetics:	10q12
Gene Summary:	<p>catalyzes the conversion of heme to biliverdin; involved in cellular response to oxidative stress [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>