

Product datasheet for RN214245

Hmox2 (NM_024387) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Hmox2 (NM_024387) 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: >RN214245 representing NM_024387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTTCAGAGGTGGAGACCTCGGAGGGCGTCGATGAGTCAGAGAACAACCTCTACGGCACCAGAAAAGG
 AAAACCATAACAAAATGGCAGACCTTTCTGAGCTCCTGAAGGAAGGGACCAAGGAAGCACATGACCGGGC
 AGAAAATACCCAGTTTGTCAAAGACTTCTGAAAGGAAACATTAAGAAGGAGCTATTTAAGCTGGCCACC
 ACTGCACCTTACTTCACATACTCAGCCCTTGAGGAGGAAATGGATCGCAACAAGGACCACCCAGCCTTCG
 CCCCCTTATATTTCCCCACGGAACCTACACCGGAAGGAAGCACTGATCAAGGACATGGAGTATTTCTTTGG
 TGAAAACCTGGGAGGAGCAGGTGAAGTGCTCCGAGGCTGCCCAGAAGTATGTGGATCGGATCACTACGTA
 GGACAGAATGAGCCAGAGCTGCTGGTGGCCATGCTTACACTCGTTACATGGGGGACCTTTCGGGAGGCC
 AGGTGCTGAAGAAGGTGGCTCAGCGGGCACTAAAACCTCCAGCACTGGGAAGGGACCCAGTTCTACCT
 GTTCGAGCATGTGGACAATGCCAGCAATCAAGCAGTTCTACCGTGCCAGGATGAATGCCTTGGACCTG
 AGTATGAAGACCAAAGAGAGGATTGTGGAGGAGCCAAACAAGCCTTTGAATATAATATGCAGATATTCA
 GTGAACCTGGACCAGGCTGGCTCCATGCTAACAAAAGAAACCCTGGAGGATGGGCTCCAGTACATGATGG
 GAAAGGAGATGTACGTAATGCCCTTTTATGCTGCTCAGCCAGACAAAGGTACCCTGGGAGGCAGCAAC
 TGCCCTTCCGGACAGCCATGGCTGTGCTGAGGAAGCCTAGCCTGCAGCTCATTCTGGCTGCCAGTGTGG
 CCTTGGTAGTGGACTCTTGGCCTGGTACTACATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_024387
 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).
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_024387.2 , NP_077363.1
RefSeq Size:	1839 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 (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. 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 transcript alignments.</p>