

Product datasheet for **RN215570**

Hmox1 (NM_012580) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmox1 (NM_012580) Rat Untagged Clone
Tag: Tag Free
Symbol: Hmox1
Synonyms: Heox; HEOXG; Hmox; Ho-1; Ho1; hsp32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN215570 representing NM_012580
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGCCACAGCTCGACAGCATGTCCAGGATTTGTCGAGGCCTTGAAGGAGGCCACCAAGGAGG
TGCACATCCGTGCAGAGAATTCTGAGTTCATGAGGAACTTTCAGAAGGGTCAGGTGTCCAGGAAGGCTT
TAAGCTGGTGATGGCCTCCTTGACCATATCTATACGGCCCTGGAAGAGGAGATAGAGCGAAACAAGCAG
AACCCAGTCTATGCCCACTCTACTTCCCTGAGGAGCTGCACCGAAGGGTGCCTAGAGCAGGACATGG
CCTTCTGGTATGGGCCCCACTGGCAGGAGGCCATCCCTTACACACCAGCCACACAGCACTACGTAAGCG
TCTCCACGAGGTGGGAGTACTCATCCTGAGCTGCTGGTGGCCACGCATATACCCGCTACCTGGGTGAC
CTCTCAGGGGTCAGGTCTGAAGAAGATTGCGCAGAAGGCCATGGCCTTGCCAAGCTCTGGGAAGGCC
TGGCTTTTTTACCTTCCCGAGCATCGACAACCCACCAAGTTCAAACAGCTCTATCGTGCTCGCATGAA
CACTCTGGAGATGACCCCGAGGTCAAGCACAGGGTGACAGAAGAGGCTAAGACCGCCTTCTGTCAAC
ATTGAGCTGTTTGAGGAGCTGCAGGCACTGCTGACAGAGGAACACAAAGACCAGAGTCCCTCACAGACAG
AGTTTCTCGCCAGAGGCCTGCTAGCCTGGTTCAAGATACTACCTCTGCAGAGACGCCCGAGGAAAATC
CCAGATCAGCACTAGTTCATCCCAGACACCGCTCCTGCGATGGGTCTCACACTCAGTTTCTGTTGGCG
ACCGTGCCAGTGGGAATTTATGCCAT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1785_c04.zip
Restriction Sites: Sgfl-Mlul
ACCN: NM_012580



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| | |
|-------------------------------|--|
| Insert Size: | 870 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p> |
| 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_012580.2 , NP_036712.1 |
| RefSeq Size: | 1600 bp |
| RefSeq ORF: | 870 bp |
| Locus ID: | 24451 |
| UniProt ID: | P06762 |
| Cytogenetics: | 19p11 |
| Gene Summary: | catalyzes the oxidative cleavage of heme to biliverdin [RGD, Feb 2006] |