

Product datasheet for SC208121

Heme oxygenase 2 (HMOX2) (NM_001127205) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Heme oxygenase 2 (HMOX2) (NM_001127205) Human 3' UTR Clone
Symbol: Heme oxygenase 2
Synonyms: HO-2
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_001127205
Insert Size: 621 bp
Insert Sequence: >SC208121 3'UTR clone of NM_001127205
 The sequence shown below is from the reference sequence of NM_001127205. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTGGACTCTTGGCCTGGTACTACATGTGAAGCACCCATCATGCCACACCGGTACCCTCCTCCCGACTG
ACCACTGGCCTACCCCTTCTCCAGCCCTGACTAAACTACCACCTCAGGTGACTTTTTAAAAATGCTG
GGTTTAAGAAAGGCAACCAATAAAAGCCAGATGCTAGAGCCTCTGCCTGACAGCATCCTCTCTATGGGC
CATATTCGCACTGGGCACAGGCCGTACCCTGGGAGCAGTCGGCACAGTGCAGCAAGCCTGGCCCCCG
ACCCAGCTCTACTCCAGGCTTCCACACTTCTGGGCCCTAGGCTGCTTCCGGTAGTCCCTGTTTTTGCAG
TACATGGGTGACTATCTCCCCTGTTGGAGTGAGTGGCCTGTAAGTCCAAGCTGTGCGAGGGGGCCTTG
CTGGATGCTGCTGTACAACCTTCTGGGCCTCTCTGGACCTGGGAGTGAGGGTGGGTGTGGGTGGAAGC
CTCAGAGGCCCTTGGGAGCTATCCCTCTCACCCAGAATCCCTCTAACCCCTTGGGTGCGGTTTGCTCAG
CCCCAGCTTATCTCCTCCTCCGCGCTGTGTAATGCTCCAGCACTCAATAAAGTGGGCTTTGCAAGCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-MluI
OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001127205.2
Summary:	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family. Several alternatively spliced transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]
Locus ID:	3163
MW:	22.5