

Product datasheet for SC208118

Heme oxygenase 2 (HMOX2) (NM_002134) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Heme oxygenase 2 (HMOX2) (NM_002134) Human 3' UTR Clone
Symbol:	Heme oxygenase 2
Synonyms:	HO-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002134
Insert Size:	621 bp
Insert Sequence:	>SC208118 3'UTR clone of NM_002134 The sequence shown below is from the reference sequence of NM_002134. 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
GCTGGACTCTTGGCCTGGTACTACATGTGAAGCACCCATCATGCCACACCCGTACCTCCTCCCGACTG
ACCACTGGCCTACCCCTTCTCCAGCCCTGACTAAACTACCACCTCAGGTGACTTTTTAAAAAATGCTG
GGTTTAAGAAAGGCAACCAATAAAAGCCAGATGCTAGAGCCTCTGCCTGACAGCATCCTCTCTATGGGC
CATATTCGCACTGGGCACAGGCCGTACCCCTGGGAGCAGTCGGCACAGTGCAGCAAGCCTGGCCCCCG
ACCCAGCTCTACTCCAGGCTTCCACACTTCTGGGCCCTAGGCTGCTTCCGGTAGTCCCTGTTTTTGCAG
TACATGGGTGACTATCTCCCCTGTTGGAGTGAGTGGCCGTAAAGTCCAAGCTGTGCGAGGGGGCCTTG
CTGGATGCTGCTGTACAACCTTCTGGGCCTCTTTGGACCTGGGAGTGAGGGTGGGTGTGGGTGGAAGC
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_002134.4
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