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Product datasheet for SC207983

Heme Oxygenase 1 (HMOX1) (NM_002133) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Heme Oxygenase 1 (HMOX1) (NM_002133) Human 3' UTR Clone
Symbol:	Heme Oxygenase 1
Synonyms:	bK286B10; HMOX1D; HO-1; HSP32
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002133
Insert Size:	624 bp

Insert Sequence:

>SC207983 3' UTR clone of NM_002133
The sequence shown below is from the reference sequence of NM_002133. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

CTTTCTGGTGGCGACAGTTGCTGTAGGGCTTTATGCCATGTGAATGCAGGCATGCTGGCTCCCAGGGCCA
TGAACTTTGTCCGGTGGAAGGCCTTCTTTCTAGAGAGGGAATTCTCTTGGCTGGCTTCCTTACCGTGGGC
ACTGAAGGCTTTCAGGGCCTCCAGCCCTCTCACTGTGTCCCTCTCTCTGGAAAGGAGGAAGGAGCCTATG
GCATCTTCCCCAACGAAAAGCACATCCAGGCAATGGCCTAAACTTCAGAGGGGGCGAAGGGGTCAGCCCT
GCCCTTCAGCATCCTCAGTTCCTGCAGCAGAGCCTGGAAGACACCCTAATGTGGCAGCTGTCTCAAACCT
CCAAAAGCCCTGAGTTTCAAGTATCCTTGTTGACACGGCCATGACCACTTTCCCCGTGGGCCATGGCAAT
TTTTACACAAACCTGAAAAGATGTTGTGTCTTGTGTTTTTGTCTTATTTTTGTTGGAGCCACTCTGTTCC
TGGCTCAGCCTCAAATGCAGTATTTTTGTTGTGTTCTGTTGTTTTTATAGCAGGGTTGGGGTGGTTTTTG
AGCCATGCGTGGGTGGGGAGGGAGGTGTTTAACGGCACTGTGGCCTTGGTCTAACTTTTGTGTG

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-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_002133.1
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. [provided by RefSeq, Jul 2008]
Locus ID:	3162