

Recombinant Rat Heme Oxygenase (Decycling) 1

Cat. No. Hmox1-716R **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Rat
Source	E.coli
Description	Heme oxygenase 1 belongs to the heme oxygenase family and is an essential enzyme in heme catabolism. It cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Also this protein is known to play an important role in the regulation of cardiovascular function and its adaptive response to a variety of stressors.
Physical Form	Solution in 50 mM ammonium bicarbonate, pH 8.3.
Assay	≥90% (SDS-GE).
Form	buffered aqueous solution.
Storage Temp	-70°C.

GENE INFORMATION

Gene Name	Hmox1 heme oxygenase (decycling) 1 [Rattus norvegicus]
Synonyms	heme oxygenase (decycling) 1; Ho1; Heox; Hmox; Ho-1; HEOXG; hsp32; Hmox1; heme oxygenase 1; heme oxygenase (decyclizing) 1

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Gene ID	24451
mRNA Refseq	NM_012580
Protein Refseq	NP_036712
UniProt ID	P06762
Chromosome Location	19p11
Pathway	Porphyrin and chlorophyll metabolism
Function	enzyme binding; heme binding; heme oxygenase (decyclizing) activity; metal ion binding; oxidoreductase activity; phospholipase D activity; protein binding; protein homodimerization activity; signal transducer activity
PDB rendering based on 1n3u.	