

# Recombinant Full Length Human HMOX2 Protein, GST-tagged

Cat. No. HMOX2-3667HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HMOX2 full-length ORF ( AAH02396, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	316 amino acids
<b>Description</b>	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. Alternative splice variants encoding the same protein have been identified at this locus. [provided by RefSeq]
<b>Molecular Mass</b>	60.50 kDa
<b>AA Sequence</b>	MSAEVETSEGVDESEKKNNGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVK DFLKGNIKKELFKLATTALYFTYSALEEEEMERNKDHAFAPLYFPMELHRKEALTKDM EYFFGENWEEQVQCPKAAQKYVERIHIGQNEPELLVAHAYTRYMGDLSGGQVLKK VAQRALKLPSTGEGTQFYLFENVDNAQQFKQLYRARMNALDLNMKTKERIVEEANK AFEYNMQIFNELDQAGSTLARETLEDGFPVHDGKGD MRKCPFYAAEQDKGALEGS

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SCPFRTAMAVLRKPSLQFILAAGVALAAGLLAWYYM

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**GENE INFORMATION**

**Gene Name**

[HMOX2 heme oxygenase \(decycling\) 2 \[ Homo sapiens \]](#)

**Official Symbol**

[HMOX2](#)

**Synonyms**

HMOX2; heme oxygenase (decycling) 2; heme oxygenase 2; HO 2; HO-2;

**Gene ID**

[3163](#)

**mRNA Refseq**

[NM\\_001127204](#)

**Protein Refseq**

[NP\\_001120676](#)

**MIM**

[141251](#)

**UniProt ID**

[P30519](#)

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