

Recombinant Human HMOX2 Protein, GST-tagged

Cat. No. HMOX2-4886H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human HMOX2 full-length ORF (AAH02396, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description 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]

Molecular Mass 60.50 kDa

AA Sequence MSAEVETSEGVDSEKKNNGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVK
 DFLKGNIKKELFKLATTALYFTYSALEEEMERNKDHPAFAPLYFPMELHRKEALTKDM
 EYFFGENWEEQVQCPKAAQKYVERIHIGQNEPELLVAHAYTRYMGDLSGGQVLKK
 VAQRALKLPSTGEGTQFYLFENVDNAQQFKQLYRARMNALDLNMKTKERIVEEANK
 AFEYNMQIFNELDQAGSTLARETLEDGFPVHDGKGDMRKCPFYAAEQDKGALEGS
 SCPFRTAMAVLRKPSLQFILAAGVALAAGLLAWYYM

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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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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