

## Recombinant Mouse Hmox2 Protein, MYC/DDK-tagged

Cat. No. Hmox2-1142M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse heme oxygenase 2 (Hmox2), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Heme oxygenase cleaves the heme ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of heme oxygenase is highest in the spleen, where senescent erythrocytes are sequestered and destroyed. Heme oxygenase 2 could be implicated in the production of carbon monoxide in brain where it could act as a neurotransmitter.
<b>Molecular Mass</b>	35.7 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Hmox2 heme oxygenase 2 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Hmox2](#)

**Synonyms** Hmox2; heme oxygenase 2; HO2; HO-2; heme oxygenase 2; heme oxygenase (decycling) 2; EC 1.14.14.18

**Gene ID** [15369](#)

**mRNA Refseq** [NM\\_010443](#)

**Protein Refseq** [NP\\_034573](#)

**UniProt ID** [O70252](#)

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