

Recombinant Mouse Hmox2 Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse heme oxygenase 2 (Hmox2), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	35.7 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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