

Recombinant Mouse Hmox1 Protein, MYC/DDK-tagged

Cat. No. Hmox1-1141M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse heme oxygenase 1 (Hmox1), 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. Exhibits cytoprotective effects since excess of free heme sensitizes cells to undergo apoptosis.
Molecular Mass	33.4 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 [Hmox1 heme oxygenase 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Hmox1](#)

Synonyms Hmox1; heme oxygenase 1; HO1; HO-1; Hmox; Hemox; Hsp32; D8Wsu38e; heme oxygenase 1; P32 protein; heme oxygenase (decycling) 1; hemoxygenase; EC 1.14.14.18

Gene ID [15368](#)

mRNA Refseq [NM_010442](#)

Protein Refseq [NP_034572](#)

UniProt ID [P14901](#)

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