

**Enzymax, LLC**  
870 Corporate Drive, suite 201  
Lexington, KY 40503

## Product Information

**Product Name:** rat HO1  
**Catalog no#:** 139  
**Size:** 100 µg

**Order:** [info@enzymax.net](mailto:info@enzymax.net)  
**Tel:** 859-219-8482  
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**Product:** Rat HO1, recombinant protein with 6xhis tags.

**Purity:** apparent homogeneity by SDS-PAGE and Coomassie blue staining.

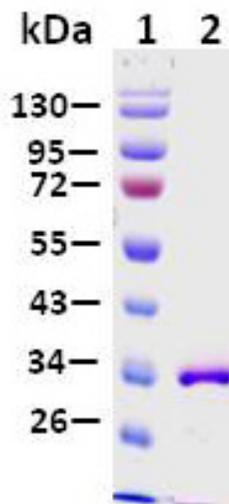
**GeneBank Accession Number:**  
[NP\\_036712.1](http://www.ncbi.nlm.nih.gov/nuclot/NP_036712.1)

**Storage:**  
Stable for 2 years at -70°C from date of shipment. Please aliquot to avoid repeated freezing and thawing.

**Product Description:** Recombinant protein without the trans-membrane domain. *Rattus norvegicus* Heme Oxygenase 1, MWt 32kDa. (UniProt ID = P06762).

**SDS-PAGE gel picture:**

**Function:** 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.



**Alternative Names:** Heme-oxygenase1, Hemox, HMOX1, HO1, HO 1, HSP32, HO-1

**Source:** Recombinant rat HO1 expressed in *E. coli*.

**Molecular Weight:** 32 kDa

**Presentation:**  
Purified rat HO1 in 20 mM Tris-HCl, pH 7.5, 50 mM NaCl, and 10% glycerol.

**Purified rat HO1 protein.** The protein (300 ng) was analyzed by electrophoresis on a 12.5% SDS-polyacrylamide gel and visualized by staining with Coomassie blue. The rat HO1 protein band was confirmed by Western blot analysis. Protein size markers are indicated on the left.