

Recombinant Rat Hmox1 protein, His-tagged

Cat. No. Hmox1-32R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Hmox1(Gln145~Arg237) fused with His tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gln145~Arg237
Description	Hmox1 played an important role in many functions.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300
Molecular Mass	16.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
GENE INFORMATION	
Gene Name	Hmox1 heme oxygenase (decycling) 1 [Rattus norvegicus]
Official Symbol	Hmox1
Synonyms	HMOX1; heme oxygenase (decycling) 1; heme oxygenase 1; heme oxygenase (decyclizing) 1; Ho1; Heox; Hmox; Ho-1; HEOXG; hsp32;
Gene ID	24451
mRNA Refseq	NM_012580
Protein Refseq	NP_036712
UniProt ID	P06762
Chromosome Location	19p11
Pathway	Heme degradation, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Keap1-Nrf2, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of porphyrins, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;

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Function

enzyme binding; heme binding; heme binding; heme oxygenase (decyclizing) activity; heme oxygenase (decyclizing) activity; heme oxygenase (decyclizing) activity; heme oxygenase (decyclizing) activity; metal ion binding; oxidoreductase activity; phospholipase D activity; protein binding; protein homodimerization activity; protein homodimerization activity; signal transducer activity; signal transducer activity;

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