Recombinant Human HMOX1 Protein, His-tagged

Cat. No. HMOX1-023H **Lot. No.** (See product label)

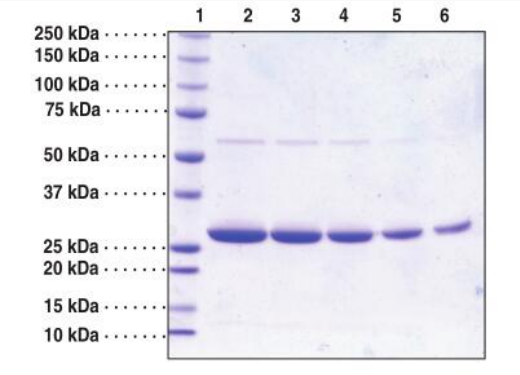
SPECIFICATION

Product Overview	Recombinant full length human HMOX1 protein (1-265) with a C-terminal His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-265
Description	Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Heme oxygenase activity is induced by its substrate heme and by various nonheme substances. Heme oxygenase occurs as 2 isozymes, an inducible heme oxygenase-1 and a constitutive heme oxygenase-2. HMOX1 and HMOX2 belong to the heme oxygenase family.
Form	50 mM HEPES, pH 8.0, with 150 mM sodium chloride
Molecular Mass	31 kDa
Purity	≥90% estimated by SDS-PAGE
Stability	≥ 1 year
Storage	Store at -80 centigrade

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Shipping	Dry ice in continental US; may vary elsewhere

GENE INFORMATION

Gene Name	HMOX1 heme oxygenase 1 [Homo sapiens (human)]
Official Symbol	HMOX1
Synonyms	HMOX1; heme oxygenase 1; HO-1; HSP32; HMOX1D; bK286B10; heme oxygenase 1; heat shock protein, 32-kD; heme oxygenase (decycling) 1; EC 1.14.14.18
Gene ID	3162
mRNA Refseq	NM_002133
Protein Refseq	NP_002124
MIM	141250
UniProt ID	P09601
SDS-PAGE analysis of HMOX1.	

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Lane 1: MW Markers
Lane 2: HMOX1 (8 μg)
Lane 3: HMOX1 (6 μg)
Lane 4: HMOX1 (4 μg)
Lane 5: HMOX1 (2 μg)
Lane 6: HMOX1 (1 μg)

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