Recombinant Mouse HMOX1 Protein (1-289 aa), His-tagged

Cat. No. HMOX1-1412M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HMOX1 Protein (1-289 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-289 aa
Description	He oxygenase cleaves the he ring at the alpha methene bridge to form biliverdin. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. Under physiological conditions, the activity of he oxygenase is highest in the spleen, where senescent erythrocytes are sequestrated and destroyed. Exhibits cytoprotective effects since excess of free he sensitizes cells to undergo apoptosis.
Form	Tris-based buffer,50% glycerol
Molecular Mass	34.9 kDa
AA Sequence	MERPQPDSMPQDLSEALKEATKEVHIQAENAEFMKNFQKGQVSREGFKLVMASLY HIYTALEEEIERNKQNPVYAPLYFPEELHRRAALEQDMAFWYGPHWQEIIPCTPATQ HYVKRLHEVGRTHPELLVAHAYTRYLGDLSGGQVLKKIAQKAMALPSSGEGLAFFTF PNIDSPTKFKQLYRARMNTLEMTPEVKHRVTEEAKTAFLLNIELFEELQVMLTEEHKD QSPSQMASLRQRPASLVQDTAPAETPRGKPQISTSSSQTPLLQWVLTLSFLLATVAV

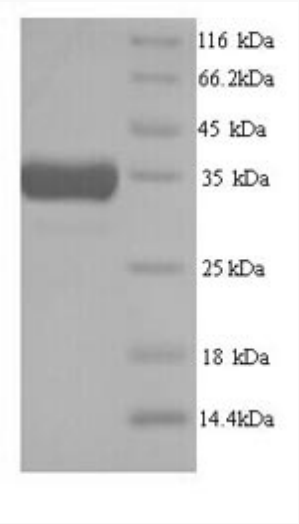
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	GIYAM
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Hmox1 heme oxygenase (decycling) 1 [Mus musculus]
Official Symbol	HMOX1
Synonyms	HMOX1; P32 protein; HO1; HO-1; Hmox; Hemox; Hsp32; D8Wsu38e;
Gene ID	15368
mRNA Refseq	NM_010442
Protein Refseq	NP_034572
UniProt ID	P14901

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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