

Product datasheet for **TP503944**

Hmox1 (NM_010442) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse heme oxygenase 1 (Hmox1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203944 representing NM_010442 Red =Cloning site Green =Tags(s)

MERPQPDSMPQDLSEALKEATKEVHIQAENAEMKMFQKQVSREGFKLVMASLYHIYTALEEEIERNKQ
NPVYAPLYFPEELHRRRAALEQDMAFWYGPHWQEIIPCTPATQHYYVKRLHEVGRTHPELLVAHAYTRYLGD
LSGGQVLKIAQKAMALPSSGEGLAFFTFPNIDSPTKFKQLYRARMNTLEMTPEVKHRVTEEAKTAFLLN
IELFEELQVMLTEEKDKQSPSQMASLRQRPASLVQDTAPAETPRGKPKQISTSSSQTPLLQWVLTLSFLLA
TVAVGIYAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	33.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034572
Locus ID:	15368
UniProt ID:	P14901 , Q3U5U6



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RefSeq Size: 1564

Cytogenetics: 8 C1

RefSeq ORF: 867

Synonyms: D8Wsu38e; Hemox; Hmox; HO-1; HO1; Hsp32

Summary: 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.[UniProtKB/Swiss-Prot Function]