

Product datasheet for **TP720125**

Heme Oxygenase 1 (HMOX1) (NM_002133) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heme oxygenase (decycling) 1 (HMOX1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Thr261
Tag:	Tag Free
Predicted MW:	29.9 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_002124
Locus ID:	3162
UniProt ID:	P09601 , Q6FH11
Cytogenetics:	22q12.3
Synonyms:	bK286B10; HMOX1D; HO-1; HSP32
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Porphyrin and chlorophyll metabolism

Product images:

