

Recombinant Full Length Human HMOX1 Protein, GST-tagged

Cat. No. HMOX1-3665HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HMOX1 full-length ORF (AAH01491, 1 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	288 amino acids
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. [provided by RefSeq
Molecular Mass	57.42 kDa
AA Sequence	MERPQPDSMPQDLSEALKEATKEVHTQAENAEFMRNFQKGQVTRDGFKLVMASLY HIYVALEEEIERNKESPVFAPVYFPEELHRKAALEQDLAFWYGPRWQEVIPYTPAMQ HYVKRLHEVGRTEPELLVAHAYTRYLGDLSSGGQVLKKIAQKALDLPSSGEGLAFFTF PNIASATKFKQLYRSRMNSLEMTPAVRQRVIEEAKTAFLNQLFEELQELLTHDTKD QSPSRAPGLRQRASNKVQDSAPVETPRGKPLNTRSQAPLLRWLTL SFLVATVAV GLYAM

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HMOX1 heme oxygenase (decycling) 1 [Homo sapiens]
Official Symbol	HMOX1
Synonyms	HMOX1; heme oxygenase (decycling) 1; heme oxygenase 1; bK286B10; HO 1; heat shock protein, 32-kD; HO-1; HSP32;
Gene ID	3162
mRNA Refseq	NM_002133
Protein Refseq	NP_002124
MIM	141250
UniProt ID	P09601

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