

# Recombinant Full Length Human HMOX1 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human HMOX1 full-length ORF ( AAH01491, 1 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	288 amino acids
<b>Description</b>	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
<b>Molecular Mass</b>	57.42 kDa
<b>AA Sequence</b>	MERPQPDSMPQDLSEALKEATKEVHTQAENAEFMRNFQKGVTRDGFKLVMASLY HIYVALEEEIERNKESPVFAPVYFPEELHRKAALEQDLAFWYGPRWQEVIPYTPAMQ HYVKRLHEVGRTEPELLVAHAYTRYLGDLSGGQVLKKAQKALDLPSSGEGLAFFTF PNIASATKFKQLYRSRMNSLEMTPAVRQRVIEEAKTAFLLNIQLFEELQELLTHDTKD QSPSRAPGLRQRASNKVQDSAPVETPRGKPLNTRSQAPELLRWLTLVATVAV GLYAM

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

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