

Heme oxygenase1 Recombinant Protein | HMOX1 recombinant protein

Heme oxygenase1,1-266aa, Human, His tag, E Coli

CATALOG # AAA11763	HOST E Coli	APPLICATIONS SDS-Page
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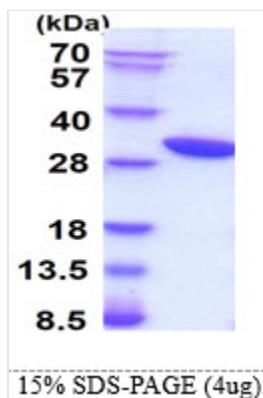
PRODUCT SYNONYMS

Heme oxygenase1; 1-266aa; Human; His tag; E Coli; HO-1; Heat shock protein 32; HSP32; bK286B10; D8Wsu38e; Heme oxygenase (decycling) 1; Heme oxygenase 1; Hemox; Hmox; HMOX 1; HMOX1; HO; HO 1; HO1.; HMOX1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 50mM NaCl, 0.1mM PMSF, 10% glycerol
Concentration	1 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	MERPQPHSMP QDLSEALKEA TKEVHTQAEN AEFMRNFQKG QVTRDGFKLVS MASLYHIYVA LEEIEIERNKE SPVFAPVYFP EELHRKAALE QDLAFWYGPR WQEVIPYTPA MQRVYVKRLHE VGRTEPELLV AHAYTRYLGD LSGGQVLKKI AQKALDLPSS GEGLAFFTFP NIASATKFKQ LYRSRMNSLE MTPAVRQRVI EEAKTAFLLN IQLFEELQEL LTHDTKDQSP SRAPGLRQRA SNKVQDSAPV ETPRGKPPLN TRSQAPLEHH HHHH
Sequence Length	288
Applicable Applications for HMOX1 recombinant protein	SDS-PAGE
Endotoxin Level	< 1.0 EU per 1 ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HMOX1 recombinant protein	Heme oxygenase 1 belongs to the heme oxygenase family and is an essential enzyme in heme catabolism. It cleaves heme to form biliverdin, which is subsequently converted to bilirubin by biliverdin reductase, and carbon monoxide, a putative neurotransmitter. Also this protein is known to play an important role in the regulation of cardiovascular function and its adaptive response to a variety of stressors. Recombinant human Heme oxygenase 1 protein, fused to His-tag at C-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HMOX1 recombinant protein	Redox Proteins
References	Vareille M., et al. (2008). J Immunol. 180 (8):5720-6.; Soares MP., et al. (2001). Immunol Rev.184:275-85;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504437
NCBI GeneID	3162
NCBI Accession #	NP_002124
NCBI GenBank Nucleotide #	NM_002133.2
UniProt Accession #	P09601
Molecular Weight	31.4 kDa (274 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	heme oxygenase 1
NCBI Official Synonym Full Names	heme oxygenase 1
NCBI Official Symbol	HMOX1
NCBI Official Synonym Symbols	HO-1; HSP32; HMOX1D; bK286B10
NCBI Protein Information	heme oxygenase 1
UniProt Protein Name	Heme oxygenase 1
UniProt Gene Name	HMOX1
UniProt Synonym Gene Names	HO; HO1; HO-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.