

HMOX2 recombinant protein

HMOX2, 1-264aa, Human, E Coli

CATALOG # AAA48646	HOST E Coli	APPLICATIONS SDS-Page
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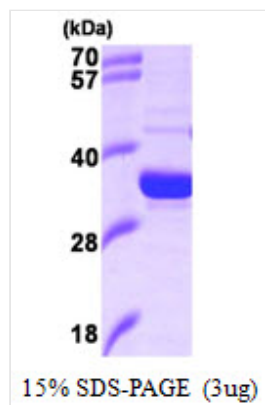
PRODUCT SYNONYMS

HMOX2; 1-264aa; Human; E Coli; Heme oxygenase 2; Heme oxygenase 2 Heme oxygenase (decycling) 2; Heme oxygenase (decycling) 2; HMOX 2; HMOX2 protein; HO 2; HO2; HMOX2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris buffer (pH 8.0) containing 10% glycerol 1mM DTT.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MSAEVETSEG VDESEKNSG ALEKENQMRM ADLSELLKEG TKEAHDRAN TQFVKDFLKG NIKKELFKLA TTALYFTYSA LEEEMERNKD HPAFAPLYFP MELHRKEALT KDMYFFGEN WEEQVQCPKA AQKYVERIHY IGQNEPELLV AHAYTRYMGD LSGGQVLKKV AQRALKLPST GEGTQFYLF E NVDNAQQFKQ LYRARMNALD LNMKTKERIV EEANKAFEYN MQIFNELDQA GSTLARETLE DGFPVHDGKG DMRK
Sequence Length	316
Applicable Applications for HMOX2 recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HMOX2 recombinant protein	HMOX2 is microsomal enzyme that cleave heme ring at the alpha methane bridge to produce the antioxidant biliverdin, inorganic iron and carbon monoxide. Biliverdin is subsequently converted to bilirubin by biliverdin reductase. This protein appears to be constitutively expressed in mammalian tissues. HMOX2 is involved in the production of carbon monoxide (CO) in brain, where CO is thought to act as a neurotransmitter. Recombinant HMOX2 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HMOX2 recombinant protein	Redox Proteins
References	Baranano DE., et al. (2001) Proc Natl Acad Sci U S A. 98 (20):10996-1002. ; Dore S., et al. (2002) Free Radic Biol Med. 32 (12):1276-82.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8051608
NCBI GeneID	3163
NCBI Accession #	NP_002125
NCBI GenBank Nucleotide #	NM_002134.3
UniProt Accession #	P30519 ; O60605 ; A8MT35 ; D3DUD5 ; I3L430
Molecular Weight	30.5 kDa (264aa), confirmed by MALDI-TOF.
NCBI Official Full Name	heme oxygenase 2 isoform b
NCBI Official Synonym Full Names	heme oxygenase 2
NCBI Official Symbol	HMOX2
NCBI Official Synonym Symbols	HO-2
NCBI Protein Information	heme oxygenase 2
UniProt Protein Name	Heme oxygenase 2
UniProt Gene Name	HMOX2
UniProt Synonym Gene Names	HO2; HO-2

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.