

Product datasheet for AR50031PU-N

OriGene Technologies, Inc.

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Heme oxygenase 1 / HMOX1 (1-266, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Heme oxygenase 1 / HMOX1 (1-266, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MERPQPHSMP QDLSEALKEA TKEVHTQAEN AEFMRNFQKG QVTRDGFKLV MASLYHIYVA LEEEIERNKE SPVFAPVYFP EELHRKAALE QDLAFWYGPR WQEVIPYTPA MQRYVKRLHE VGRTEPELLV AHAYTRYLGD LSGGQVLKKI AQKALDLPSS GEGLAFFTFP NIASATKFKQ LYRSRMNSLE MTPAVRQRVI EEAKTAFLLN IQLFEELQEL LTHDTKDQSP SRAPGLRQRA

SNKVQDSAPV ETPRGKPPLN TRSQAPLEHH HHHH

Tag: His-tag
Predicted MW: 31.4 kDa
Concentration: lot specific

Purity: >95% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 50 mM NaCl, 0.1 mM PMSF, 10%

glycerol

Endotoxin: < 1.0 EU per 1 microgram of protein (determined by LAL method)

Preparation: Liquid purified protein

Protein Description: 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.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 002124

Locus ID: 3162

UniProt ID: <u>P09601</u>, <u>Q6FH11</u>

Cytogenetics: 22q12.3



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Synonyms: bK286B10; HMOX1D; HO-1; HSP32

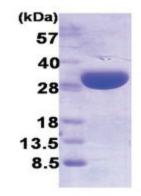
Summary: Heme oxygenase, an essential enzyme in heme catabolism, cleaves heme to form biliverdin,

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
Protein Pathways: Porphyrin and chlorophyll metabolism

Product images:



15% SDS-PAGE (4ug)