

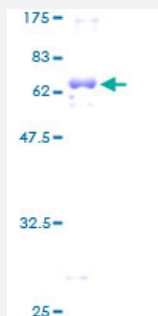
Full-Length

HMOX2 (Human) Recombinant Protein (P01)

Catalog # H00003163-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human HMOX2 full-length ORF (AAH02396, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSAEVETSEGVDSEKKNSGALEKENQMRMADLSELLKEGTKEAHDRAENTQFVKDFLKGNIK
KELFKLATTALYFTYSALEEMERNKDHPAFAPLYFPMELHRKEALTKDMEYFFGENWEEQVQC
PKAAQKYVERIHYIGQNEPELLVAHAYTRYMGDLSSGGQVLKKVAQRALKLPSTGEGTQFYLFENV
DNAQQFKQLYRARMNALDLNMKTKERVEEANKAFEYNMQIFNELDQAGSTLARETLEDGFPVHD
GKGDMRKCPFYAAEQDKGALEGSSCPFRTAMAVLRKPSLQFILAAGVALAAGLLAWYIM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.50

Interspecies Antigen Sequence

Mouse (89); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HMOX2

Entrez GeneID[3163](#)**GeneBank Accession#**[BC002396](#)**Protein Accession#**[AAH02396](#)**Gene Name**

HMOX2

Gene Alias

HO-2

Gene Description

heme oxygenase (decycling) 2

Omim ID[141251](#)**Gene Ontology**[Hyperlink](#)**Gene 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. Alternative splice variants encoding the same protein have been identified at this locus. [provided by RefSeq]

Other Designations

heme oxygenase (decycling) 2

Pathway

- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)