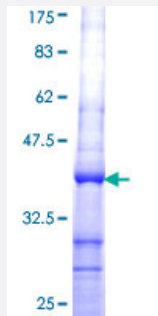


CPOX (Human) Recombinant Protein (Q01)

Catalog # H00001371-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CPOX partial ORF (NP_000088, 356 a.a. - 453 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SCARAVVPSYIPLVKKHCDDSFPTQEKLWQQLRRGRYVEFNLLYDRGTKFGLFTPGSRIESILMSL PLTARWEYMHSPSENSKEAEILEVLRHPRDWV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (91); Rat (91)
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 — CPOX

Entrez GeneID [1371](#)

GeneBank Accession# [NM_000097](#)

Protein Accession# [NP_000088](#)

Gene Name CPOX

Gene Alias CPO, CPX, HCP

Gene Description coproporphyrinogen oxidase

Omim ID [121300](#)

Gene Ontology [Hyperlink](#)

Gene Summary Coproporphyrinogen oxidase (EC 1.3.3.3) is the sixth enzyme of the heme biosynthetic pathway. This soluble protein is localized in the intermembrane space of mitochondria and catalyzes the stepwise oxidative decarboxylation of the heme precursor coproporphyrinogen III to protoporphyrinogen IX via the tricarboxylic intermediate harderoporphyrinogen.[supplied by OMIM]

Other Designations coproporphyrinogen oxidase (coproporphyrin, harderoporphyrin)

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Cognition Disorders](#)
- [Depressive Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mercury Poisoning](#)
- [Neuropsychological Tests](#)
- [Psychomotor Performance](#)