

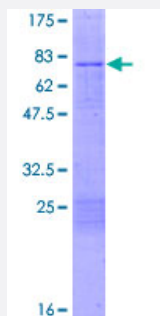
Full-Length

CPOX (Human) Recombinant Protein (P01)

Catalog # H00001371-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CPOX full-length ORF (AAH23554.1, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALQLGRLSSGPCWLVARGGCGGPRAWSQCGGGGLRAWSQRSAAGRVCRPPGPAGTEQSR
GLGHGSTSRGGPWVGTGLAAALAGLVGLATAAFGHVQRAEMLPKTSGTRATSLGRPEEEDEL
AHRCSFMAPPVTDLGELRRRPGDMKTKMELLILETQAQVCQALAQVDGGANFSVDRWERKEG
GGGISCVLQDGCVFEEKAGVSISVVHGNLSEEAQMRSRGKVLKTKDGKLPCAMGVSSVIHPK
NPHAPTIHFNYRYFEVEEADGNKQWWFGGGCDLTPTYLNQEDAIHFHRTLKEACDQHGPDLYPK
FKKWCCDYFFIAHRGERRGIGGIFDLDSPSKEEVFRFVQSCARAVVPSYIPLVKKHCDDSTFP
QEKLWQQLRRGRYVEFNLLYDRGTKFGLFTP GSRIESILMSLPLTARWEYMHSPSENSKEAEILEV
LRHPRDWVR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.6

Interspecies Antigen Sequence

Mouse (80); Rat (80)

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#	BC023554.2
Protein Accession#	AAH23554.1
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](#)