

## Recombinant Human CPOX Protein, GST-tagged

Cat. No. CPOX-1807H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CPOX full-length ORF ( AAH23554.1, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	The protein encoded by this gene is the sixth enzyme of the heme biosynthetic pathway. The encoded enzyme is soluble and found in the intermembrane space of mitochondria. This enzyme catalyzes the stepwise oxidative decarboxylation of coproporphyrinogen III to protoporphyrinogen IX, a precursor of heme. Defects in this gene are a cause of hereditary coproporphyrria (HCP).[provided by RefSeq, Oct 2009]
<b>Molecular Mass</b>	76.6 kDa
<b>AA Sequence</b>	<p>MALQLGRLSSGPCWLVARGGCGGPRAWSQCGGGGLRAWSQRSAAAGRVCPPG  PAGTEQSRGLGHGSTSRGGPWWGTGLAAALAGLVGLATAAFGHVQRAEMLPKTSG  TRATSLGRPEEEEEDELAHRCSSFMAPPVTDLGELRRRPGDMKTKMELLILETQAQV  CQALAQVDGGANFSVDRWERKEGGGGISCVLQDGCVFEEKAGVSISVVHGNLSEEA  AKQMRSRGKVLKTKDGKLPFCAMGVSSVIHPKNPHAPTIHFNYRYFEVEEADGNKQ  WWFGGGCDLTPTYLNQEDAIHFHRTLKEACDQHGPDLYPKFKKWCDYFFIAHRG  ERRGIGGIFDDLSPSKEEVFRFVQSCARAVVPSYIPLVKKHCDDSFPTQEKLWQQ  LRRGRYVEFNLLYDRGTKFGLFTPGRSIESILMSLPLTARWEYMHSPSENSKEAEILE  VLRHPRDWVR</p>

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CPOX coproporphyrinogen oxidase [ Homo sapiens ]
<b>Official Symbol</b>	CPOX
<b>Synonyms</b>	CPOX; coproporphyrinogen oxidase; coproporphyrinogen oxidase (coproporphyrin, harderoporphyrin) , CPO; coproporphyrinogen-III oxidase, mitochondrial; coproporphyrin; CPX; HCP; COX; coprogen oxidase; coproporphyrinogenase; CPO;
<b>Gene ID</b>	1371
<b>mRNA Refseq</b>	NM_000097
<b>Protein Refseq</b>	NP_000088
<b>MIM</b>	612732
<b>UniProt ID</b>	P36551

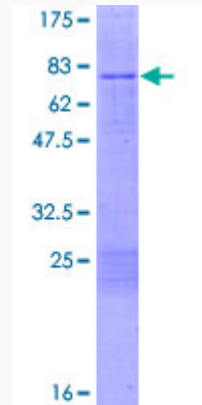
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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