

Recombinant Full Length Human CPOX Protein, GST-tagged

Cat. No. CPOX-2107HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CPOX full-length ORF (AAH23554.1, 1 a.a. - 454 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	454 amino acids
Description	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 coproporphyruria (HCP).[provided by RefSeq, Oct 2009]
Molecular Mass	76.6 kDa
AA Sequence	<p>MALQLGRLSSGPCWLVARGGCGGPRAWSQC GGGGLRAWSQRS AAGRVC RPPG PAGTEQSRGLGHGSTS RGGP WVG TGLAAALAGLVGLATAAFGHVQRAEMLPKTSG TRATSLGRPEEEEEDELAHRCSSFMAPPVTDLGELRRRPGDMKTKMELLILETQAQV CQALAQVDGGANFSVDRWERKEGGGGISCVLQDGCVF EKAGVSISV VHGNLSEEA AKQMRSRGKVLKTKDGKLPFCAMGVSSVIHPKNPHAPT IHFNYRYFEVEEADGNKQ WWFGGGCDLTPTYLNQEDAIHFHRTLKEACDQHGPDLYPKFKKW CDDYFFIAHRG ERRGIGGIFFDDLSPSKEEVFRFVQSCARAVVPSYIPLVKKHCDD SFTPQEKLWQQ LRRGRYVEFNLLYDRGTKFGLFTP GSRIESILMSLPLTARWEYMHSPSENSKEAEILE</p>

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VLRHPRDWVR

Applications

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

Notes

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

[CPOX coproporphyrinogen oxidase \[Homo sapiens \]](#)

Official Symbol

[CPOX](#)

Synonyms

CPOX; coproporphyrinogen oxidase; coproporphyrinogen oxidase (coproporphyrin, harderoporphyrin) , CPO; coproporphyrinogen-III oxidase, mitochondrial; coproporphyrin; CPX; HCP; COX; coprogen oxidase; coproporphyrinogenase; CPO

Gene ID

[1371](#)

mRNA Refseq

[NM_000097](#)

Protein Refseq

[NP_000088](#)

MIM

[612732](#)

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UniProt ID

P36551

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