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 coproporphyria (HCP).[provided by RefSeq, Oct 2009]
Molecular Mass	76.6 kDa
AA Sequence	MALQLGRLSSGPCWLVARGGCGGPRAWSQCGGGGLRAWSQRSAAGRVCRPPG PAGTEQSRGLGHGSTSRGGPWVGTGLAAALAGLVGLATAAFGHVQRAEMLPKTSG TRATSLGRPEEEEDELAHRCSSFMAPPVTDLGELRRRPGDMKTKMELLILETQAQV CQALAQVDGGANFSVDRWERKEGGGGISCVLQDGCVFEKAGVSISVVHGNLSEEA AKQMRSRGKVLKTKDGKLPFCAMGVSSVIHPKNPHAPTIHFNYRYFEVEEADGNKQ WWFGGGCDLTPTYLNQEDAIHFHRTLKEACDQHGPDLYPKFKKWCDDYFFIAHRG ERRGIGGIFFDDLDSPSKEEVFRFVQSCARAVVPSYIPLVKKHCDDSFTPQEKLWQQ LRRGRYVEFNLLYDRGTKFGLFTPGSRIESILMSLPLTARWEYMHSPSENSKEAEILE

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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 (coproporphyria, harderoporphyria) , CPO; coproporphyrinogen-III oxidase, mitochondrial; coproporphyria; 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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