

## Product datasheet for AR50866PU-N

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# Product data:

**Product Type:** Recombinant Proteins

CPOX (111-454, His-tag) Human Protein

**Description:** CPOX (111-454, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSTSLGRPE EEEDELAHRC SSFMAPPVTD LGELRRRPGD MKTKMELLIL ETQAQVCQAL AQVDGGANFS VDRWERKEGG GGISCVLQDG CVFEKAGVSI SVVHGNLSEE AAKQMRSRGK VLKTKDGKLP FCAMGVSSVI HPKNPHAPTI HFNYRYFEVE EADGNKQWWF GGGCDLTPTY LNQEDAVHFH RTLKEACDQH GPDLYPKFKK WCDDYFFIAH

RGERRGIGGI FFDDLDSPSK EEVFRFVQSC ARAVVPSYIP LVKKHCDDSF TPQEKLWQQL RRGRYVEFNL LYDRGTKFGL FTPGSRIESI LMSLPLTARW EYMHSPSENS KEAEILEVLR HPRDWVR

Tag: His-tag
Predicted MW: 41.6 kDa
Concentration: lot specific

Purity: >95% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM

DTT

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human CPOX protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid

repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

RefSeq: NP 000088

 Locus ID:
 1371

 UniProt ID:
 P36551

 Cytogenetics:
 3q11.2





### CPOX (111-454, His-tag) Human Protein - AR50866PU-N

Synonyms: COX; CPO; CPX; HARPO; HCP

**Summary:** The protein encoded by this gene is the sixth enzyme of the heme biosynthetic pathway. The

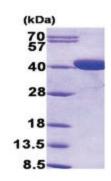
encoded enzyme is soluble and found in the intermembrane space of mitochondria. This enzyme catalyzes the stepwise oxidative decarboxylation of coproporphyrinogen III to protoporphyrinogen IX, a precursor of heme. Defects in this gene are a cause of hereditary

coproporphyria (HCP).[provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

### **Product images:**



15% SDS-PAGE (3ug)