

## Product datasheet for **AR50866PU-S**

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

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | CPOX (111-454, His-tag) human recombinant protein, 0.1 mg   |
| Species:                              | Human   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSTSLGRPE EEDELAHRC SSFMAPPVTD LGELRRRPGD MKTKMELLIL ETQAQVCQAL AQVDGGANFS VDRWERKEGG GGISCVLQDG CVFEKAGVSI SVVHGNLSEE AAKQMRSRGK VLKTKDGKLP FCAMGVSSVI HPKNPHAPTI HFNYRYFEVE EADGNKQWWF GGGCDLTPY LNQEDAVHFH RTLKEACDQH GPDLYPKFKK WCDDYFFIAH RGERRGIGGI FFDDLSPSK EEVFRVQSC 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<br>State: Liquid purified protein<br>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:                               | <a href="#">NP_000088</a>   |
| Locus ID:                             | 1371  |
| UniProt ID:                           | <a href="#">P36551</a>  |
| Cytogenetics:                         | 3q11.2  |



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

**Protein Families:** Druggable Genome

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

**Product images:**

