

Datasheet for ABIN5852918
CPOX Protein (AA 111-454) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CPOX
Protein Characteristics:	AA 111-454
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CPOX protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MGSSHHHHHH SSSLVPRGSH MGSTSLGRPE EEEDELAHRC SSFMAPPVTD LGELRRRPGD
MKTKMELLIL ETQAQVCQAL AQVDGGANFS VDRWERKEGG GGISCVLQDG CVFEKAGVSI
SVVHGNLSEE AAKQMRSRGK VLKTKDGKLP FCAMGVSSVI HPKNPHAPTI HFNYRYFEVE
EADGNKQWWF GGGCDLTPTY LNQEDAVHFH RTLKEACDQH GPDLYPKFKK WCDDYFFIAH
RGERRGIGGI FFDDLSPSK EEVFRVQSC ARAVPSYIP LVKKHCDDSF TPQEKLWQQL
RRGRYVEFNL LYDRGTKFGL FTPGSRIESI LMSLPLTARW EYMHSPSENS KEAEILEVLR
HPRDWVR

Purity: > 95 % by SDS - PAGE

Target Details

Target: CPOX

Target Details

Alternative Name: [CPOX \(CPOX Products\)](#)

Background: Coproporphyrinogen-III oxidase, mitochondrial precursor, also known as CPOX, is a 454 amino acid mitochondrial enzyme that is localized to the inner membrane space of erythrocytes. It participates in the sixth step of heme biosynthesis by catalyzing the formation of protoporphyrinogen IX from coproporphyrinogen III. Mutations in human CPOX gene predict the clinical outcome of the disease, with either hepatic hereditary coproporphyrinemia or hematological manifestations of erythropoietic protoporphyria. Recombinant human CPOX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 41.6 kDa (367aa) confirmed by MALDI-TOF

NCBI Accession: [NP_000088](#)

UniProt: [P36551](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

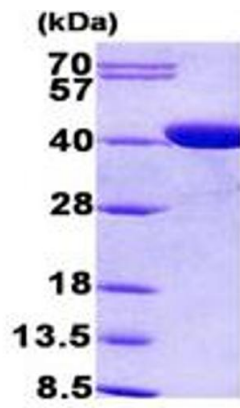
Format: Liquid

Concentration: 1 mg/mL

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

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.