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Datasheet for ABIN6388192

**PCOLCE Protein (AA 26-449) (His tag)**

## Overview

Quantity:	100 µg
Target:	PCOLCE
Protein Characteristics:	AA 26-449
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCOLCE protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MRDKEETLPL EDGWGPGTR SAAREDDSIR PFKVETSDEE IHDLHQRIDK FRFTPPLEDS CFHYGFNSNY LKKVISYWRN EFDWKKQVEI LNRYPHFKTK IEGLDIHFIH VKPPQLPAGH TPKPLLMVHG WPGSFYEFYK IIPLLTDPKN HGLSDEHVFE VICPSIPGYG FSEASSKKGF NSVATARIFY KLMLRLGFQE FYIQGGDWGS LICTNMAQLV PSHVKGLHLN MALVLSNFST LTLGLGQRFGL RFLGLTERDV ELLYPVKEKV FYSLMRESGY MHIQCTKPDV VGSALNDSPV GLAAYILEKF STWTNTEFRY LEDGGLERKF SLDDLLTNVM LYWTTGTIIS SQRFYKENLG QGWMTQKHER MKVYVPTGFS AFPFELLHTP EKWVRFKYPK LISYSYMVRG GHFAAFEEPE LLAQDIRKFL SVLERQHAAA HH
Purity:	> 85 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1µg of protein (determined by LAL method)

## Target Details

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Target:	PCOLCE
Alternative Name:	PCOLCE ( <a href="#">PCOLCE Products</a> )
Background:	EPHX1, also known as epoxide hydrolase 1, is an important bioconversion enzyme that converts epoxides from degradation of aromatics into trans-dihydrodiols that can be conjugated and excreted in the body. The epoxide hydrolase acts both in the activation and decryption of the epoxide. This enzyme plays a role in regulating the extensive oxidation state of heterologous and lipid-derived substrates. Mutations in this gene cause preeclampsia, lack of epoxidase, or increased epoxide hydrolase activity. Recombinant human EPHX1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	51.5kDa (442aa) 50-70kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	<a href="#">NP_000111</a>
UniProt:	<a href="#">P07099</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. 20 mM Tris-HCl buffer ( pH 8.0) containing 50 % glycerol, 1 mM DTT, 0.1M NaCl
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.