

## Recombinant Human PPOX Protein, His/GST-tagged

Cat. No. PPOX-379H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PPOX(Ile12~Leu471) fused with His/GST tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ile12~Leu471
<b>Description</b>	This gene encodes the penultimate enzyme of heme biosynthesis, which catalyzes the 6-electron oxidation of protoporphyrinogen IX to form protoporphyrin IX. Mutations in this gene cause variegate porphyria, an autosomal dominant disorder of heme metabolism resulting from a deficiency in protoporphyrinogen oxidase, an enzyme located on the inner mitochondrial membrane. Alternatively spliced transcript variants encoding the same protein have been identified.
<b>Form</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Molecular Mass</b>	79.2kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

**Stability**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

[PPOX protoporphyrinogen oxidase \[ Homo sapiens \]](#)

**Official Symbol**

[PPOX](#)

**Synonyms**

PPOX; protoporphyrinogen oxidase; variegate porphyria , VP; PPO; VP; V290M; MGC8485;

**Gene ID**

[5498](#)

**mRNA Refseq**

[NM\\_000309](#)

**Protein Refseq**

[NP\\_000300](#)

**MIM**

[600923](#)

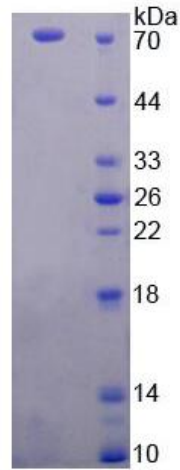
**UniProt ID**

[P50336](#)

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15% SDS-PAGE

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