

Recombinant Human PPOX Protein, DYKDDDDK-tagged

Cat. No. PPOX-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of Homo sapiens protoporphyrinogen oxidase (PPOX), transcript variant 1 (NM_000309), with a DYKDDDDK tag was expressed in human cells.
Species	Human
Source	Human Cells
Description	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.
Molecular Mass	50.6 kDa
Endotoxin	< 0.1 ng/μg of protein (< 1 EU/μg)
Purity	> 90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!
Storage Buffer	Purified protein formulated in a sterile solution of TBS buffer, pH 7.4, without any

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preservatives

GENE INFORMATION

Gene Name	PPOX protoporphyrinogen oxidase [Homo sapiens (human)]
Official Symbol	PPOX
Synonyms	PPOX; protoporphyrinogen oxidase; VP; PPO; V290M; protoporphyrinogen oxidase; EC 1.3.3.4
Gene ID	5498
mRNA Refseq	NM_000309
Protein Refseq	NP_000300
MIM	600923
UniProt ID	P50336

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