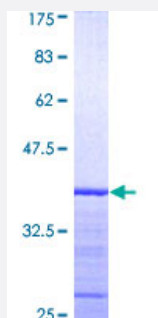


PPOX (Human) Recombinant Protein (Q01)

Catalog # H00005498-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPOX partial ORF (AAH02357, 378 a.a. - 477 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EASGCVLSQELFQQRAQEAAATQLGLKEMPSHCLVHLHKNCIPQYTLGHWQKLESARQFLTAHR LPLTLGASYEGVAVNDCIESGRQAAVSVLGTEPNS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPOX

Entrez GeneID [5498](#)

GeneBank Accession# [BC002357](#)

Protein Accession# [AAH02357](#)

Gene Name PPOX

Gene Alias MGC8485, PPO, V290M, VP

Gene Description protoporphyrinogen oxidase

Omim ID [176200 600923](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000032237|OTTHUMP00000032238|variegate porphyria

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)