

## Product datasheet for PH301788

### PPOX (NM\_000309) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPOX MS Standard C13 and N15-labeled recombinant protein (NP_000300)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201788
Predicted MW:	50.8 kDa
Protein Sequence:	>RC201788 protein sequence Red=Cloning site Green=Tags(s)

MGRTVVVLGGGISGLAASYHLSRAPCPPKVVLVESSERLGGWIRSVRGPNGAIFELGPRGIRPAGALGAR  
 TLLLVSSELGLDSEVLPVRGDHPAAQNRFLYVGGALHALPTGLRGLLRPSPPFKPLFWAGLRELTKPRGK  
 EPDETVHSFAQRRLGPEVASLAMDSLGRGVFAGNSRELSIRSCFPSLFQAEQTHRSILLGLLLGAGRTPQ  
 PDSALIRQALAEWSQWSLRGGLEMLPQALEHTLSRGSVLRGQPVCGLSLQAEGRWKVSLRDSSEAD  
 HVISAIIPASVSELLPAEAPLARALSAITAVSVAVVNLQYQGAHLPVQGFHGLVPSEDPGVLGIVYDS  
 VAFPEQDGSPPGLRVTVMVGGSWLQTLASGCVLSQELFQQAQEAATQLGLKEMPSHCLVHLHKNCIP  
 QYTLGHWQKLESARQFLTAHRLPLTLAGASYEGVAVNDCIESGRQAAVSVLGTPEPNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_000300</a></u>
RefSeq Size:	1716
RefSeq ORF:	1431
Synonyms:	PPO; V290M; VP



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Locus ID: 5498

UniProt ID: [P50336](#)

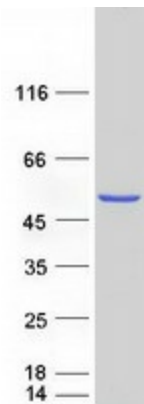
Cytogenetics: 1q23.3

**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, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

### Product images:



Coomassie blue staining of purified PPOX protein (Cat# [TP301788]). The protein was produced from HEK293T cells transfected with PPOX cDNA clone (Cat# [RC201788]) using MegaTran 2.0 (Cat# [TT210002]).