

Product datasheet for PH325811

PPOX (NM_001122764) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPOX MS Standard C13 and N15-labeled recombinant protein (NP_001116236)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225811
Predicted MW:	50.8 kDa
Protein Sequence:	>RC225811 protein sequence Red=Cloning site Green=Tags(s)

MGRTVVVLGGGISGLAASYHLSRAPCPKVVLEVSEERLGGWIRSVRGPNGAIFELGPRGIRPAGALGAR
 TLLLVSSELGLDSEVLPVRGDHPAAQNRFLYVGGALHALPTGLRGLLRPSPFFSKPLFWAGLRELTKPRGK
 EPDETVHSFAQRRLGPEVASLAMDSLRCRVFAGNSRELSIRSCFPSLFQAEQTHRSILLGLLLGAGRTPQ
 PDSALIRQALAEWSQWSLRGGLEMLPQALEHTLSRGSVLRGQPVCGLSLQAEGRWKVSLRDSSEAD
 HVISAIPASVLSSELLPAEAAPLARALSAITAVSVAVVNLQYQGAHLPVQGFHGLVPSEDPGVLGIVYDS
 VAFPEQDGSPPGLRVTVMLGGSWLQTLASGCVLSQELFQQRAQEAATQLGLKEMPSHCLVHLHKNCIP
 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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>NP_001116236</u>
RefSeq Size:	1777
RefSeq ORF:	1431
Synonyms:	PPO; V290M; VP



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Locus ID: 5498

UniProt ID: [P50336](#)

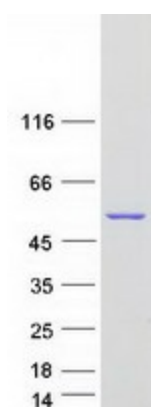
Cytogenetics: 1q23.3

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# [TP325811]). The protein was produced from HEK293T cells transfected with PPOX cDNA clone (Cat# [RC225811]) using MegaTran 2.0 (Cat# [TT210002]).