

Product datasheet for TP301788M

PPOX (NM_000309) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protoporphyrinogen oxidase (PPOX), nuclear gene encoding mitochondrial protein, transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201788 protein sequence Red =Cloning site Green =Tags(s)
	<p>MGRTVWVLGGGISGLAASYHLSRAPCPPKVVLESSLERLGGWIRSVRGPNGAIFELGPRGIRPAGALGAR TLLLVSELGLDSEVLPVRGDHPAAQNRFLYVGGALHALPTGLRGLLRPSPPFSKPLFWAGLRELTKPRGK EPDETVHSFAQRRLGPEVASLAMDSLRCRVFAGNSRELSIRSCFPSLFQAEQTHRSILLGLLGAGRTPQ PDSALIRQALAERWSQWSLRGGLEMLPQAETHLTSRGVSVLRGQPVCGLSLQAEGRWKVSLRDSLEAD HVISAIPASVLSSELLPAEAAPLARALSAITAVSVAVVNLQYQGAHLPVQGGFHLVPSSEDPGVLGIVYDS VAFPEQDGSPPGLRVTVM LGGSWLQTL EASGCVLSQELFQQRAQEAAATQLGLKEMPSHCLVHLHKNCIP QYTLGHWQKLESARQFLTAHRLPLTLGASYEGVAVNDCIESGRQA AVSVLGT EPN S</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	50.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_000300](#)

Locus ID: 5498

UniProt ID: [P50336](#)

RefSeq Size: 1716

Cytogenetics: 1q23.3

RefSeq ORF: 1431

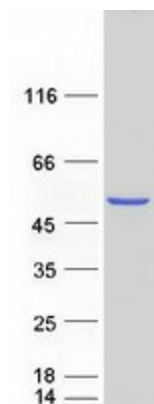
Synonyms: PPO; V290M; VP

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]).