

## Product datasheet for **TP325811M**

### **PPOX (NM\_001122764) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human protoporphyrinogen oxidase (PPOX), nuclear gene encoding mitochondrial protein, transcript variant 2, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC225811 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGRTVWVLGGGISGLAASYHLSRAPCPPKVVLEVSESLGGWIRSVRGPNGAIFELGPRGIRPAGALGAR TLLLVSELGLDSEVLPVRGDHPAAQNRFLYVGGALHALPTGLRGLLRSPPPFSKPLFWAGLRELTKPRGK EPDETVHSFAQRRLGPEVASLAMDSLRCRVFAGNSRELSIRSCFPSLFQAEQTHRSILLGLLGAGRTPQ PDSALIRQALAERWSQWSLRGGLEMLPQAETHLTSRGVSVLRGQPVCGLSLQAEGRWKVSLRDSLEAD HVISAIPASVLSSELLPAEAAPLARALSAITAVSVAVVNLQYQGAHLPVQGGFHLVPSSEDPGVLGIVYDS VAFPEQDGSPPGLRVTVM LGGSWLQTL EASGCVLSQELFQQRAQEAAATQLGLKEMP SHCLVHLHKNCIP QYTLGHWQKLESARQFLTAHRLPLTLGASYEGVAVNDCIESGRQA AVSVLGT EPN S  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	50.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	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\\_001116236](#)

Locus ID: 5498

UniProt ID: [P50336](#)

RefSeq Size: 1777

Cytogenetics: 1q23.3

RefSeq ORF: 1431

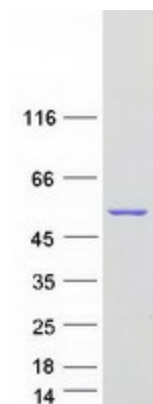
Synonyms: PPO; V290M; VP

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