

## Product datasheet for TP301788L

### 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, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201788 protein sequence  
 Red=Cloning site Green=Tags(s)

MGRTVWVLGGGISGLAASYHLSRAPCPPKVVLEVSESLGGWIRSVRGPNGAIFELGPRGIRPAGALGAR  
 TLLLVSELGLDSEVLPVRGDHPAAQNRFLYVGGALHALPTGLRGLLRSPPPFSKPLFWAGLRELTKPRGK  
 EPDETVHSFAQRRLGPEVASLAMDSLRCRVFAGNSRELSIRSCFPSLFQAEQTHRSILLGLLGAGRTPQ  
 PDSALIRQALAERWSQWSLRGGLEMLPQAETHLTSRGVSVLRGQPVCGLSLQAEGRWKVSLRDSSEAD  
 HVISAIPASVLSSELLPAEAAPLARALSAITAVSVAVVNLQYQGAHLPVQGGFHLVPSSEDPGVLGIVYDS  
 VAFPEQDGSPPGLRVTVM LGGSWLQTL EASGCVLSQELFQQRAQEAAATQLGLKEMPSHCLVHLHKNCIP  
 QYTLGHWQKLESARQFLTAHRLPLTLGASYEGVAVNDCIESGRQA AVSVLGT EPN S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**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

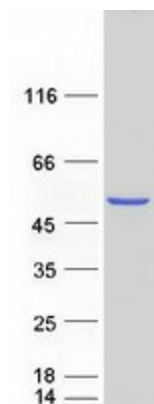
Synonyms: PPO; V290M; VP

**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]).