

Recombinant Human PPOX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPOX-4112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPOX MS Standard C13 and N15-labeled recombinant protein (NP_000300) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	50.8 kDa
AA Sequence	MGRTVVVLGGGISGLAASYHLSRAPCPPKVVLVESSERLGGWIRSVRGPNGAIFEL GPRGIRPAGALGARTLLLSELGLDSEVLPVRGDHPAAQNRFLYVGGALHALPTGLR GLLRPSPPFKPLFWAGLRELTKPRGKEPDETVHSFAQRRLGPEVASLAMDSLGRG VFAGNSRELSIRSCFPSLFQAEQTHRSILLGLLGAGRTPQPDSALIRQALAERWSQ WSLRGGLEMLPQALEHTLSRGVSVLRGQPVCGLSLQAEGRWKVSLRDSSEADH VISAIPASVLSSELLPAEAAPLARALSITAIVSVAVVNLQYQGAHLPVQGFHGLVPSSE DPGVLGIVYDSVAFPEQDGSPPLRVTVMLGGSWLQTLASGCVLSQELFQQRQAQ

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EAAATQLGLKEMPSHCLVHLHKNCIPQYTLGHWQKLESARQFLTAHRLPLTLGASY
EGVAVNDCIESGRQAAVSVLGTEPNSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PPOX protoporphyrinogen oxidase [Homo sapiens (human)]

Official Symbol PPOX

Synonyms PPOX; protoporphyrinogen oxidase; variegate porphyria, VP; PPO; VP; V290M; MGC8485;

Gene ID 5498

mRNA Refseq NM_000309

Protein Refseq NP_000300

MIM 600923

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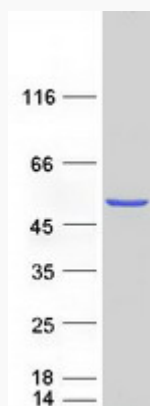
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UniProt ID

P50336

SDS-PAGE

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