



Recombinant Human Protoporphyrinogen oxidase (PPOX)

Product Code	CSB-EP018502HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P50336
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGRTVVVLGG GISGLAASYH LSRAPCPPKV VLVESSERLG GWIRSVRGP N GAIFELGPRG IRPAGALGAR TLLLVSELGL DSEVLPVRGD HPAAQNRFLY VGGALHALPT GLRGLLRPSP PFSKPLFWAG LRELTKPRGK EPDETVHSFA QRRLGPEVAS LAMDSLRCRV FAGNSRELSI RSCFPRLFQA EQTHRSILLG LLLGAGRTPQ PDSALIRQAL AERWSQWSLR GGLEMLPQAL ETHLTSRGVS VLRGQPVCGL SLQAEGRWKV SLRDSSLEAD HVISAIPASV LSELLPAEAA PLARALSAIT AVSVAVVNLQ YQGAHLPVQG FGHLVPSSD PGVLGIVYDS VAFPEQDGSP PGLRVTVM LG GSWLQTLEAS GCVLSQELFQ QRAQEAAATQ LGLKEMPSHC LVHLHKNCIP QYTLGHWQKL ESARQFLTAH RLPLTLGAS YEGVAVNDCI ESGRQAAVSV LGTEPNS
Source	E.coli
Target Names	PPOX
Protein Names	Recommended name: Protoporphyrinogen oxidase Short name= PPO EC= 1.3.3.4
Expression Region	1-477
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.